

Potential I-55 Improvements at Airport Road and at IL Route 126/Essington Road

Community Advisory Group

Meeting #4

January 31, 2012





Introductions



CAG Members





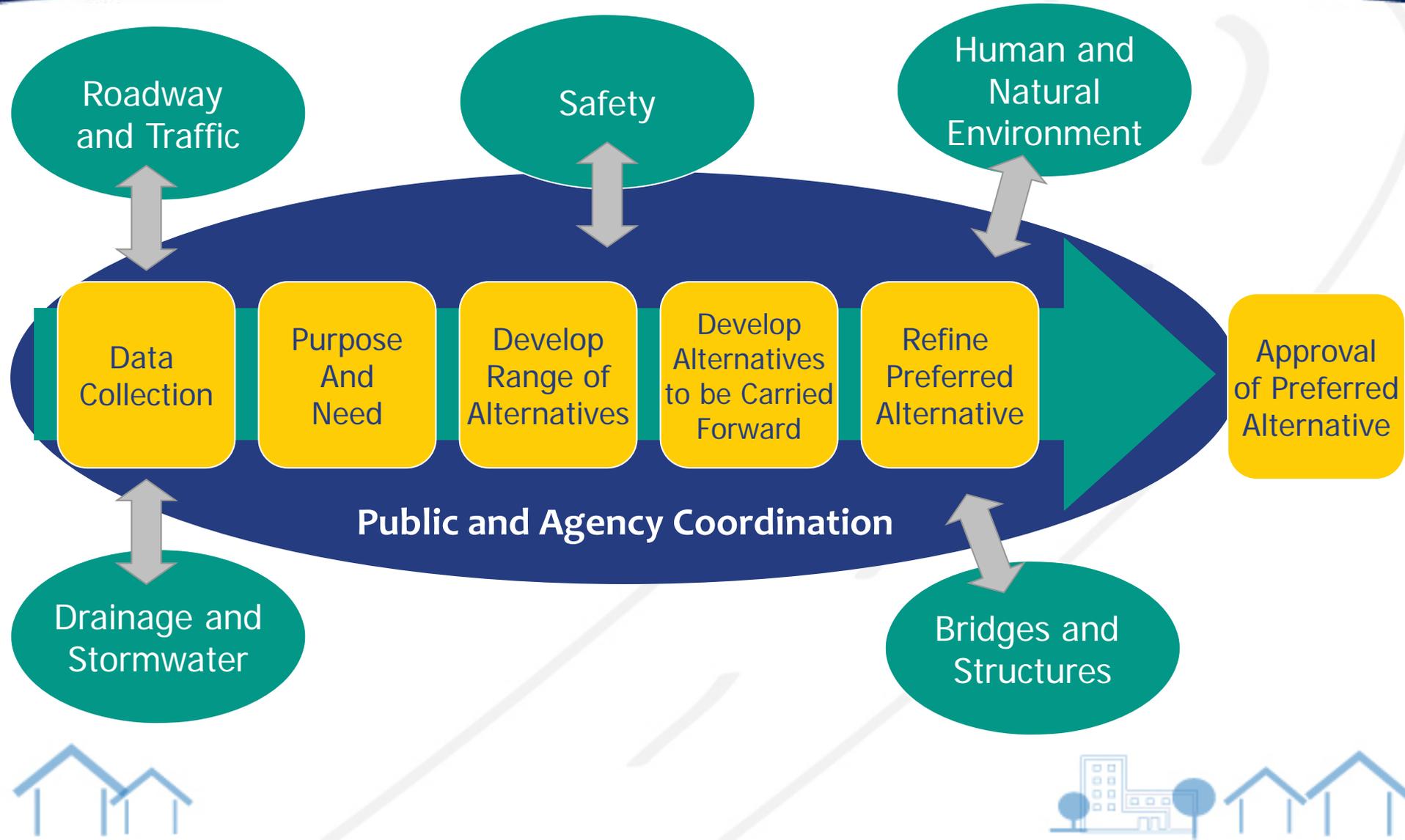
Meeting Agenda

- Update Project Status
- Review CAG #3 Meeting
- Present the Evaluation Process
- Initial Range of Alternatives
- Fatal Flaw Screening Results
- Recap and Next Steps
- Open to Comments





Phase I Study Process





Project Schedule

STUDY PROCESS BEGINS (OCTOBER 2010)

Context Inventory & Existing Conditions Analysis

- Project Introduction with Villages

PUBLIC INFORMATION MEETING

- CAG #1 - Inventory Project Context
- CAG #2 - Problem Statement

February 22, 2011

Alternative Development

- CAG #3 - Purpose & Need, Alternative Development
- CAG #4 - Evaluation Measures & Range of Alternatives

PUBLIC MEETING

- CAG #5 - Present Feasible Alternatives & Further Evaluation Measures
- CAG #6 - Present Alternative Evaluation/Alternatives to be Carried Forward

January 2012
WE ARE HERE

Preferred Alternative

PUBLIC MEETING

- CAG #7 - Comments on Preferred Alternative from PM

Summer 2012

PUBLIC HEARING

Spring 2013

STUDY CONCLUDES - PREFERRED ALTERNATIVE GENERAL AGREEMENT (2013)





CAG Meeting #3

Meeting objectives:

- Review of the Draft Problem Statement
- Purpose and Need Statement Development
- Engineering Toolbox
- Alternative Development





Alternative Creation

- Prior Feasibility Studies
- CAG Member input
- Village Technical Input
- FHWA Input



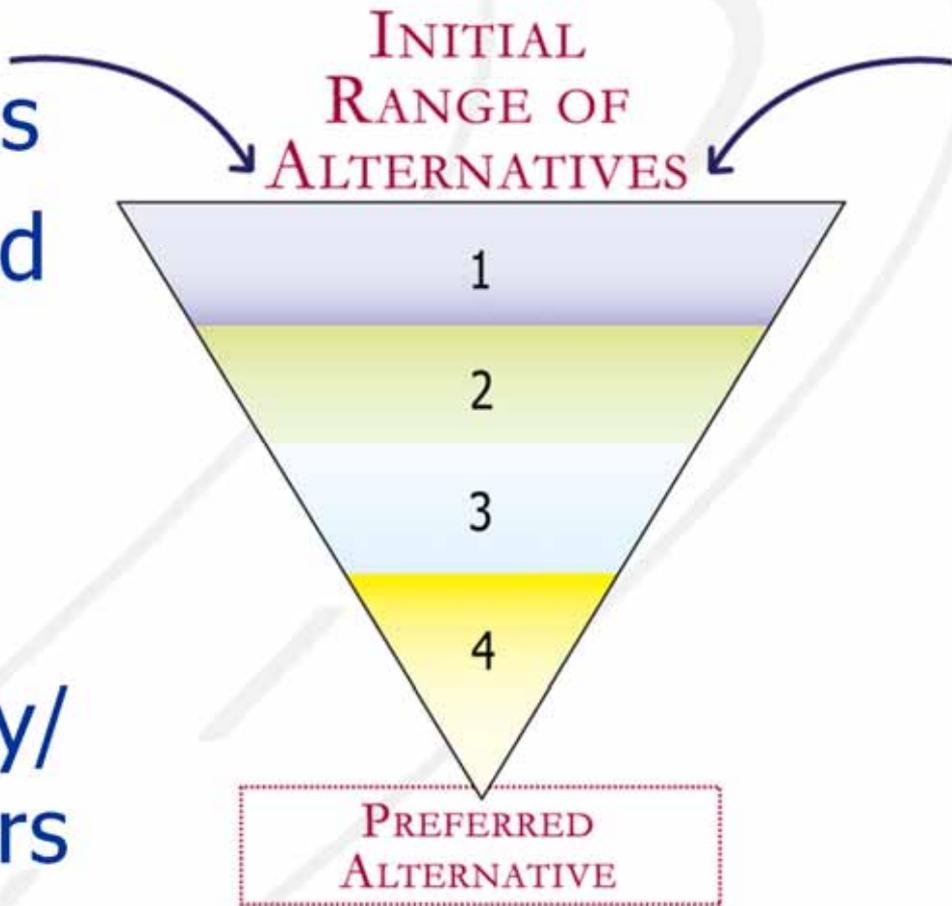


Evaluation of Alternatives Process



Evaluation Factors

- 1 - Fatal Flaw Factors
- 2 - Purpose and Need
- 3 - Operational Factors or Characteristics
- 4 - Social/Community/Environmental Factors





Fatal Flaw Factors

- Major direct impacts to land use
 - Residential
 - Business
- Interchange Access Requirements
 - Minimize impact to traffic operations on I-55
 - Desirable to provide for traffic movements in all directions
 - Two mile separation desired in urban areas





Purpose and Need Factors

- Does it Improve Regional Connectivity?
- Does it Accommodate Community and Regional Growth?





Operational Factors or Characteristics

- Safety Improvements
- Capacity Improvements
- Operational Efficiencies – LOS and Weave Issues
- Limited Additional Access Points
- Minimal Design Criteria Exceptions
- Accommodates Truck Access





Social, Community & Environmental Factors

- Right of Way Area Required
- Number of Displacements – Business or Residential
- Wetland Impacts
- Floodplain/Floodway Impacts
- Water Quality/Water Resources Impacts
- Section 4(f) Impacts
- Historical
- Off-site Detention Impacts
- Noise Impacts
- Natural Resources
- Threatened & Endangered Species
- Community Support
- Socio/Economic Impacts
- Estimated Construction Cost

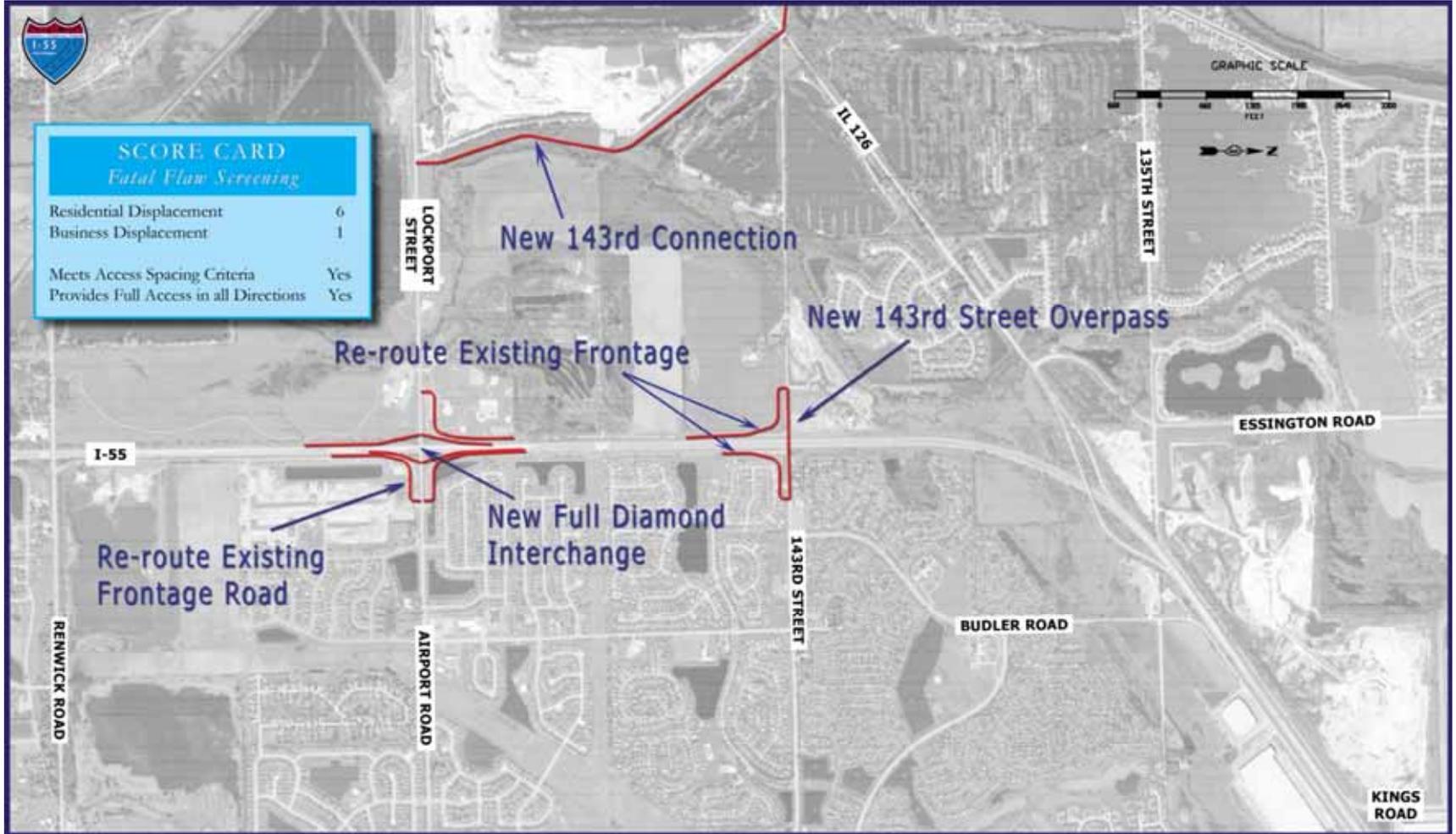




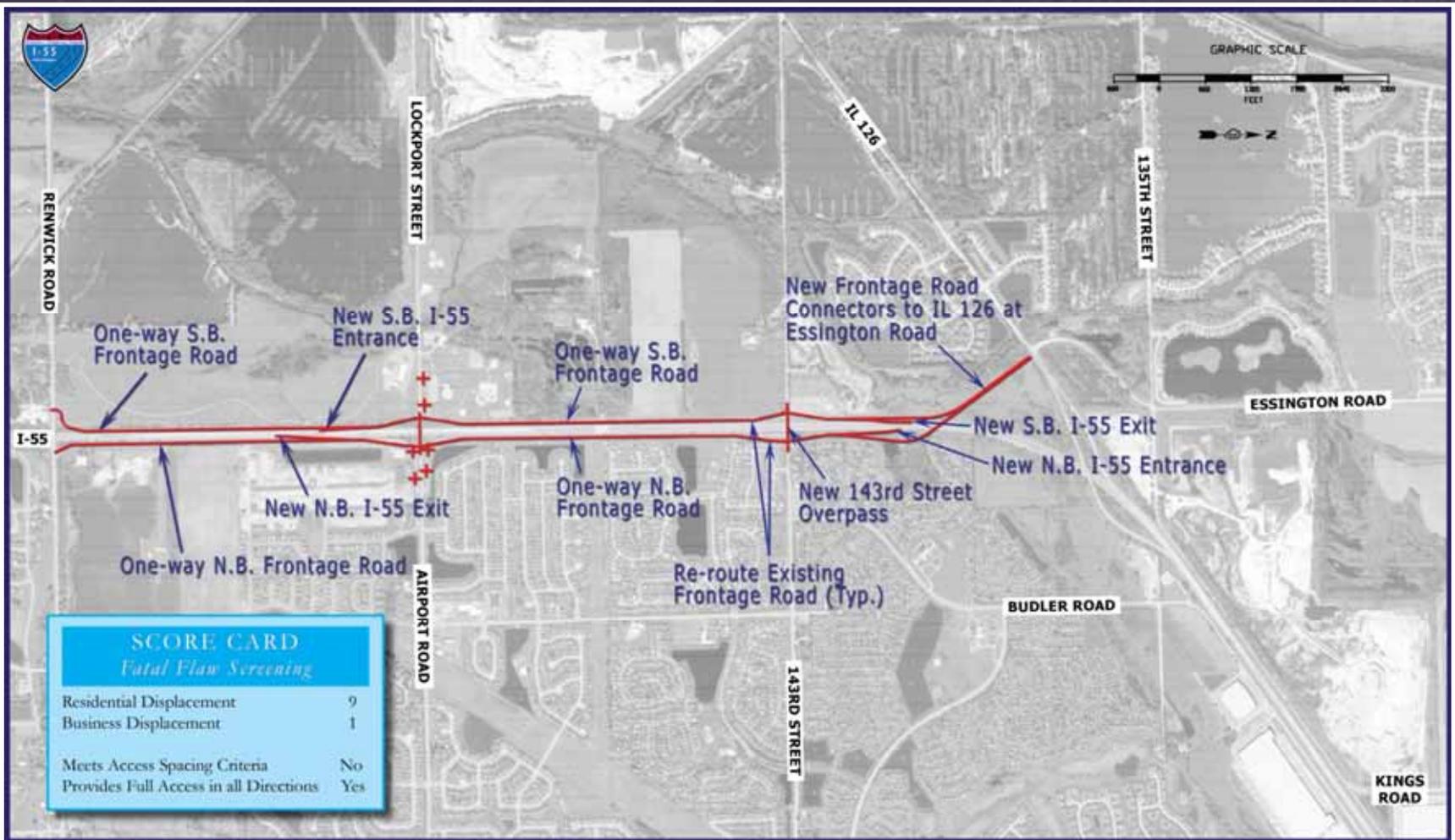
Alternatives with Fatal Flaw Screening



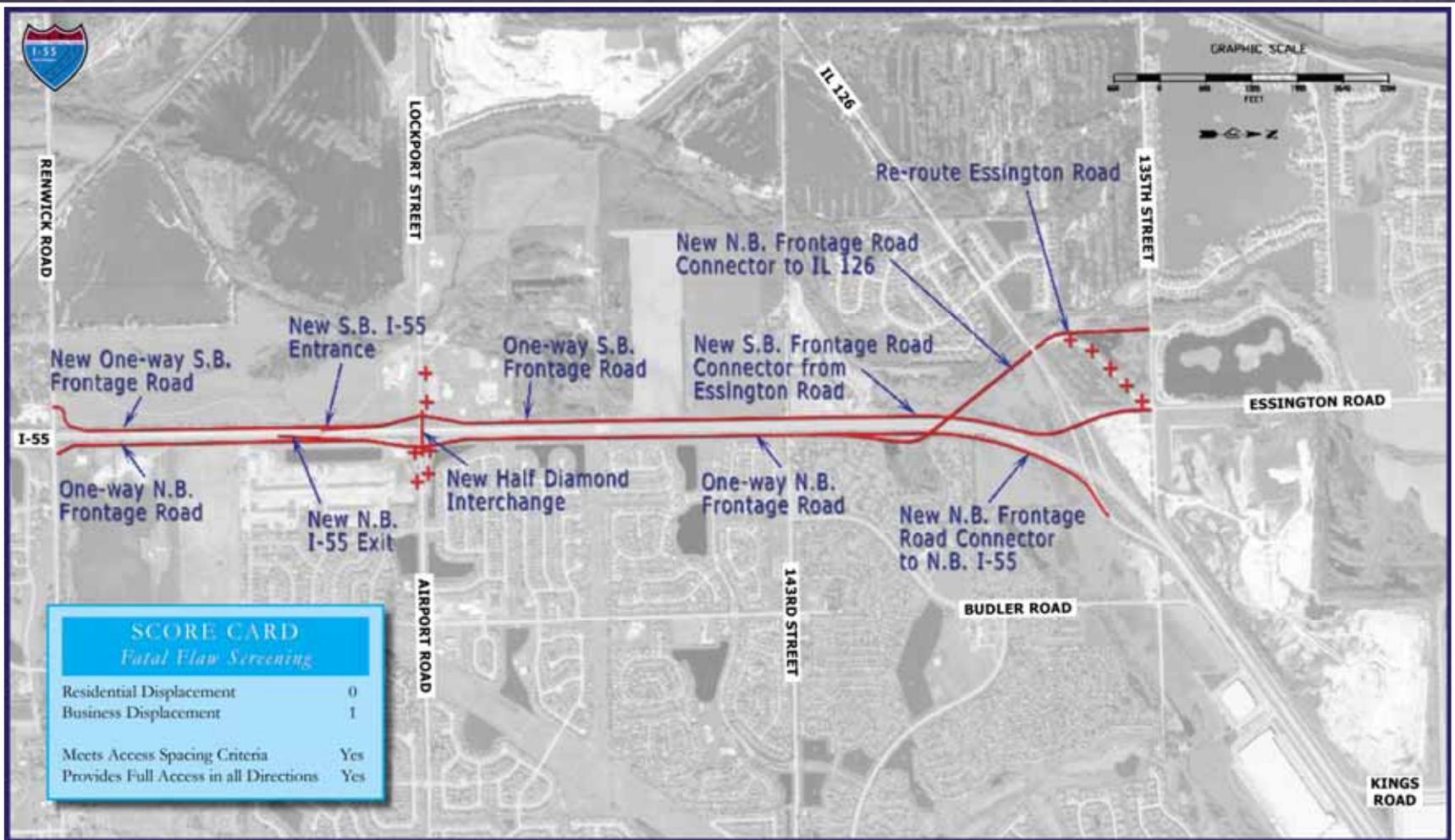
SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	6
Business Displacement	1
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes



ALTERNATIVE 1 - Airport Road Diamond Interchange with 143rd Connector. No change at IL 126.

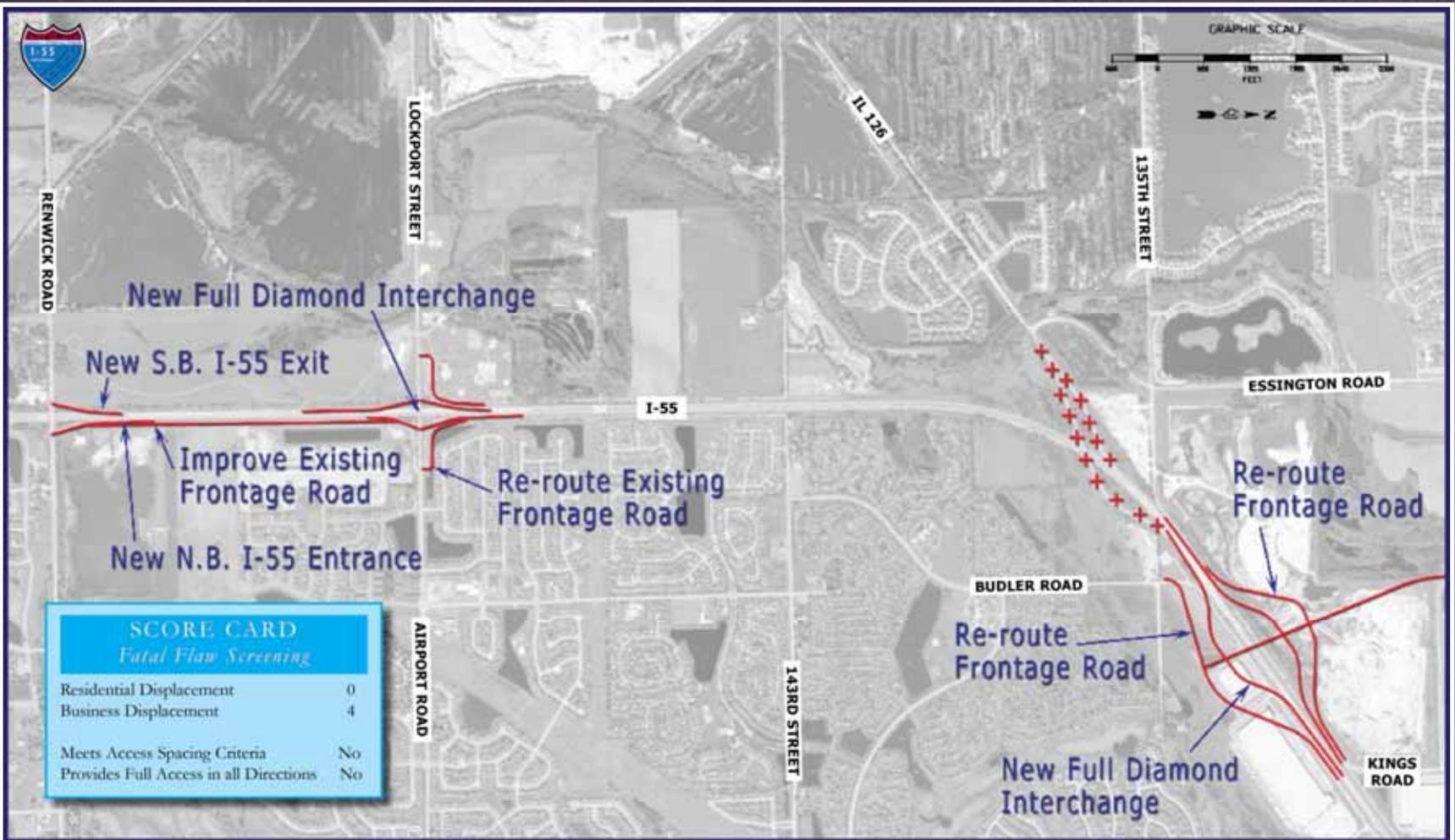


ALTERNATIVE 2 - Spread Diamond Interchange at Airport Road & 143rd Street with One-way Frontage Roads from Renwick to Essington.

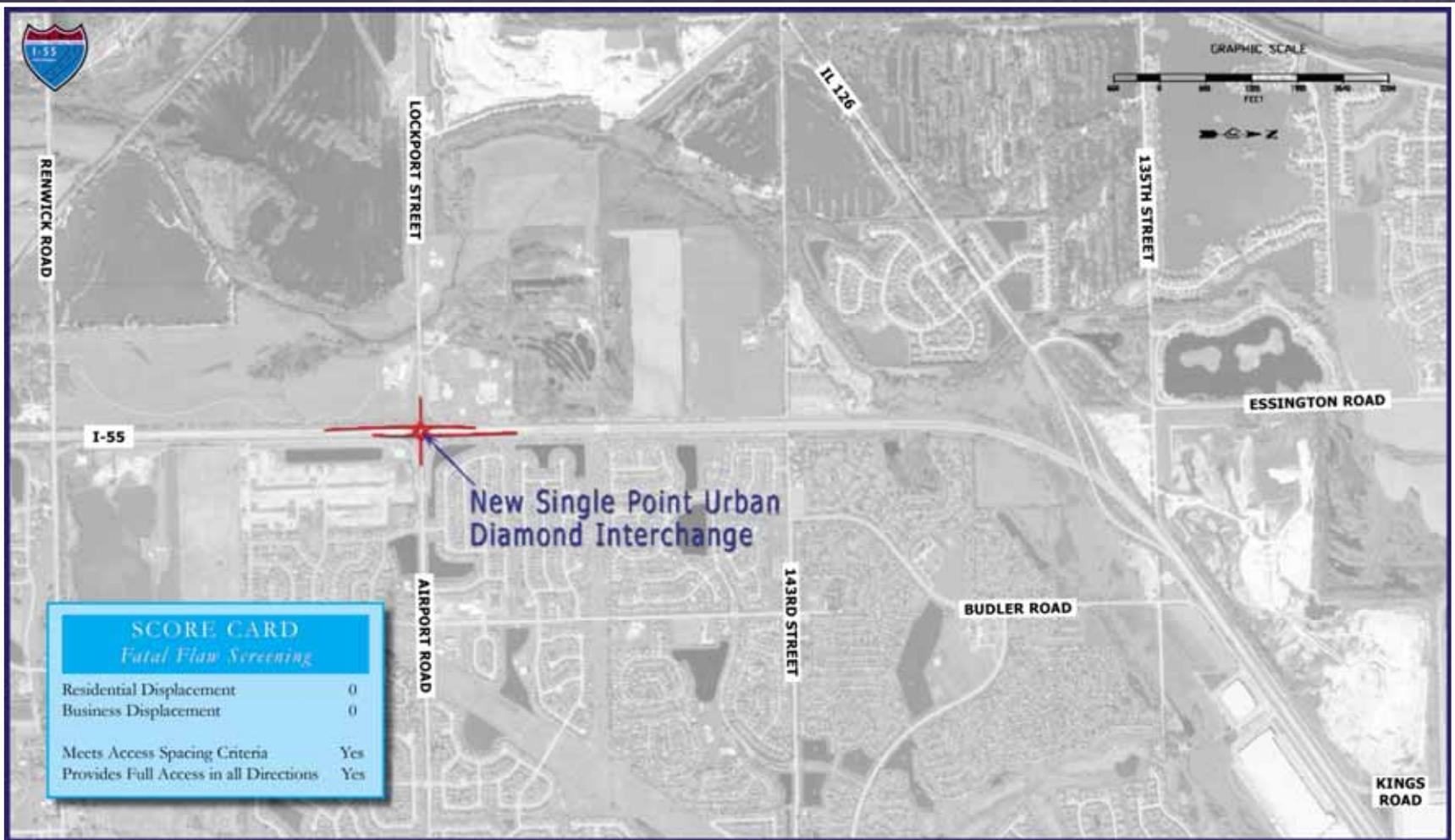


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	0
Business Displacement	1
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes

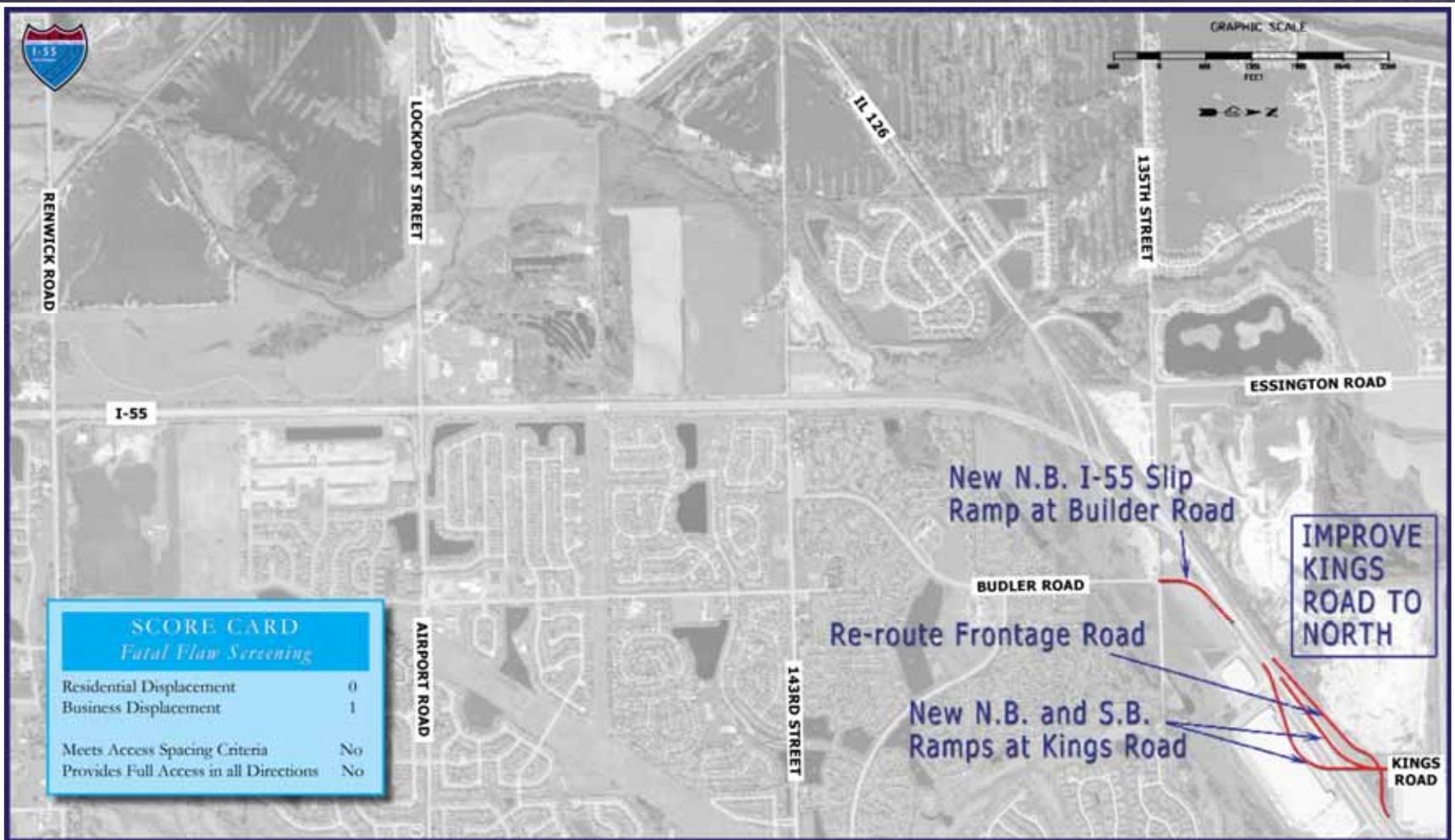
ALTERNATIVE 3 - Spread Diamond Interchange at Airport Road & IL 126 with One-way Frontage Roads from Renwick to Essington.



ALTERNATIVE 4 - Diamond Interchange at Airport Road, Diamond Interchange at Budler Road, & Half Diamond Interchange at Renwick Road.

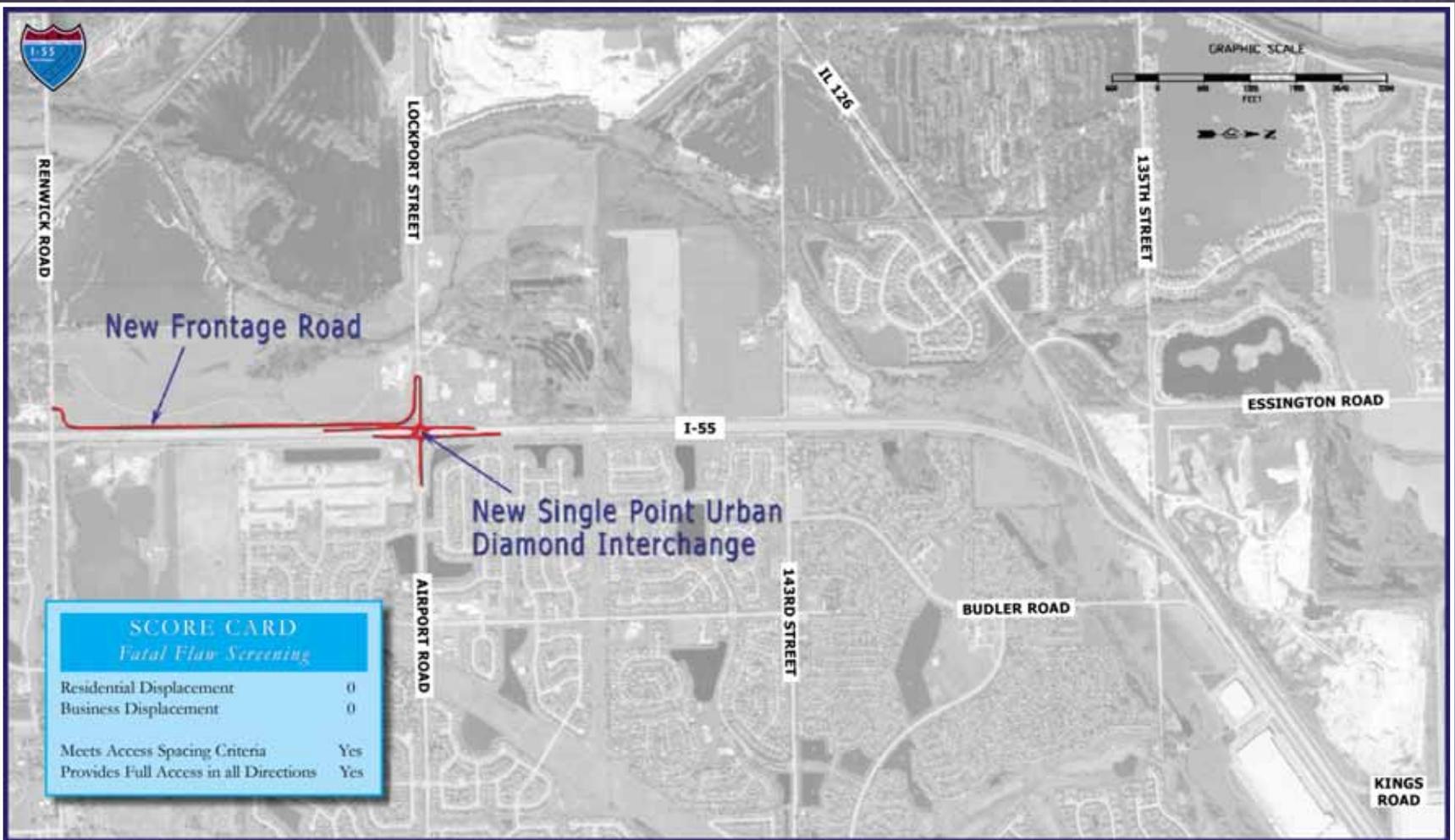


ALTERNATIVE 5 - Single Point Urban Diamond Interchange at Airport Road. No Change at IL 126.

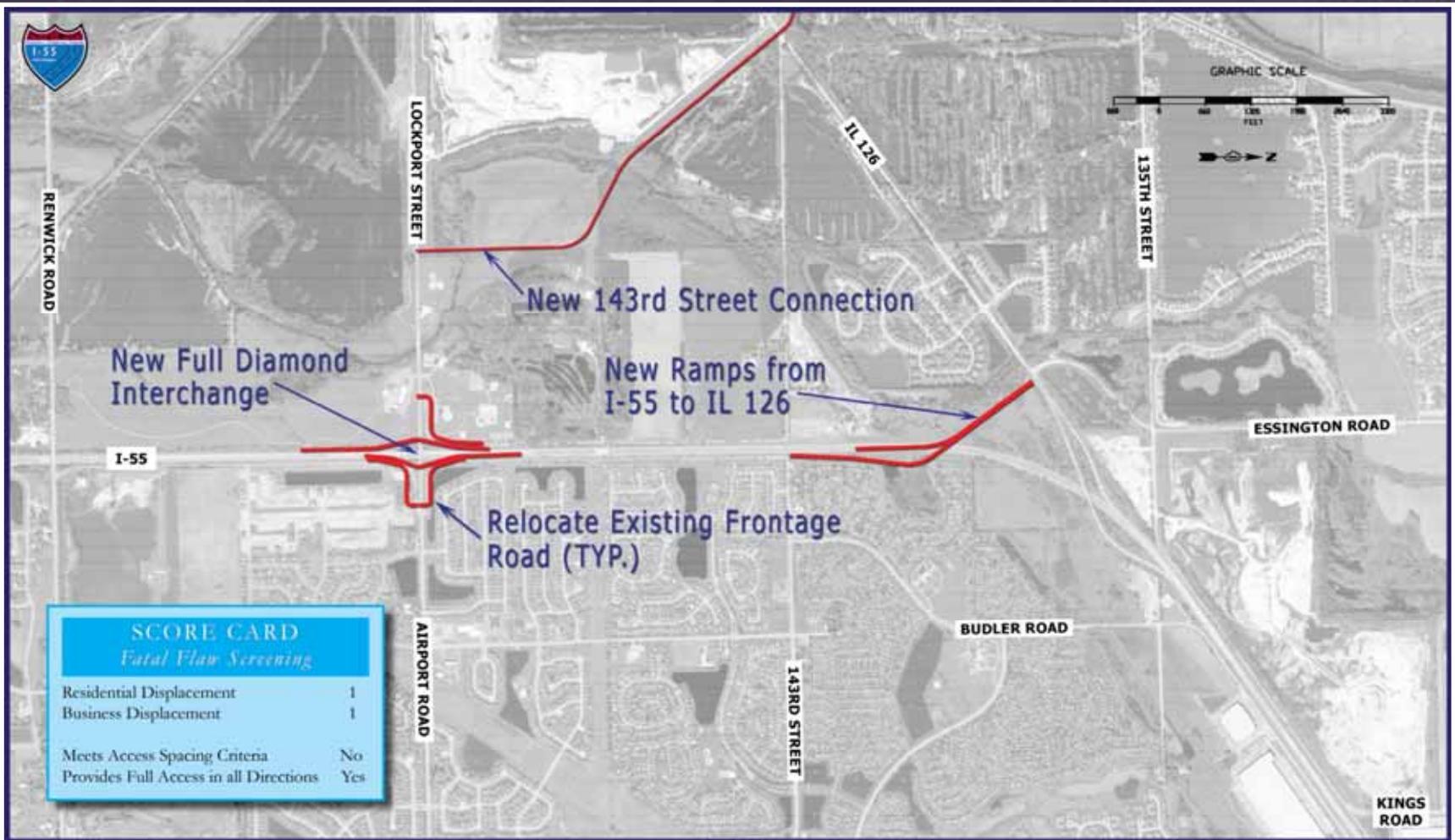


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	0
Business Displacement	1
Meets Access Spacing Criteria	No
Provides Full Access in all Directions	No

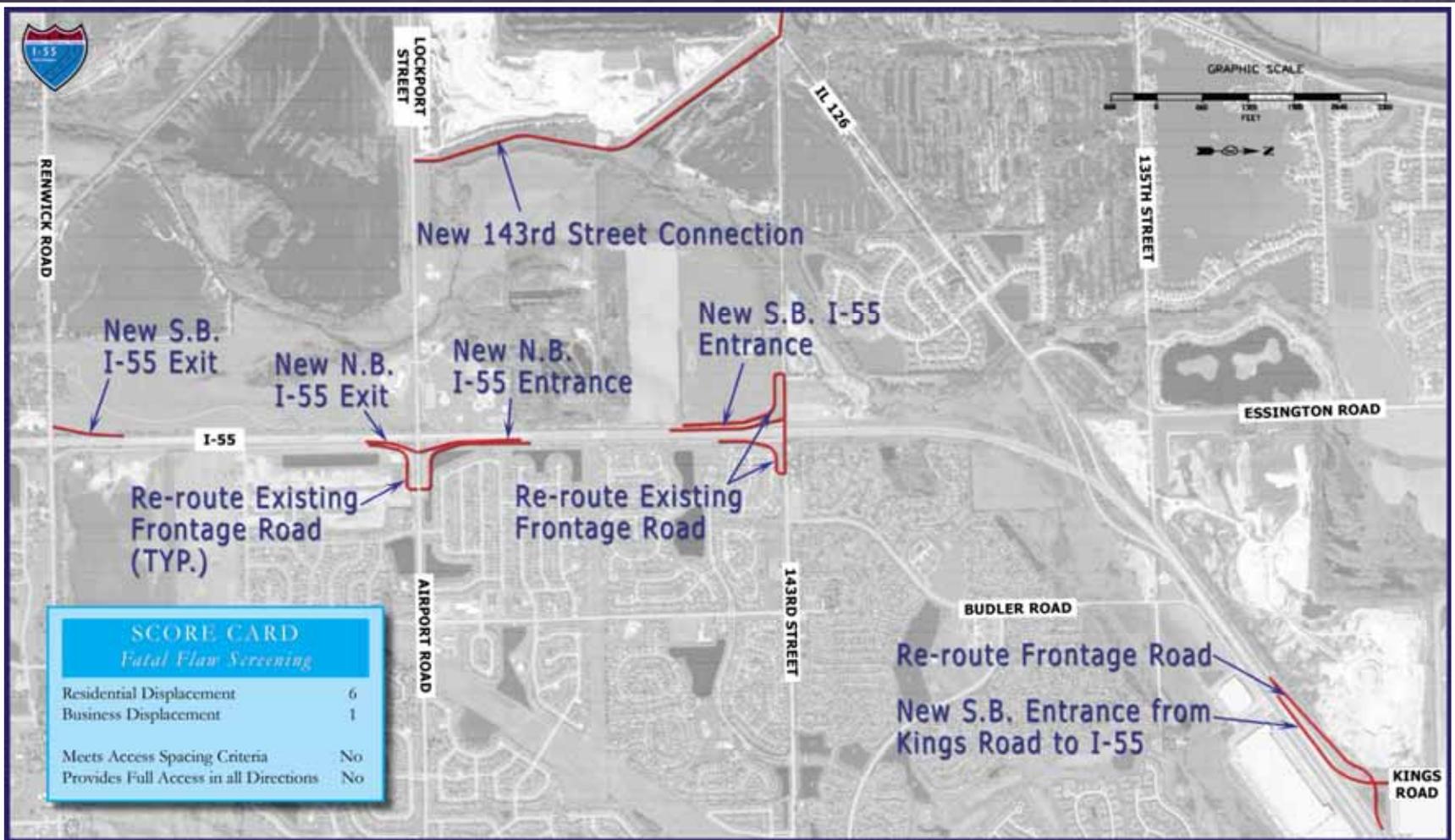
ALTERNATIVE 6 - Access Ramps at Kings Road, Re-Route Frontage Road & N.B. Slip Ramp at Budler Road.



ALTERNATIVE 7 - Single Point Urban Diamond Interchange at Airport Road with Frontage Roads Between Renwick & Airport Road. No Change at IL 126.

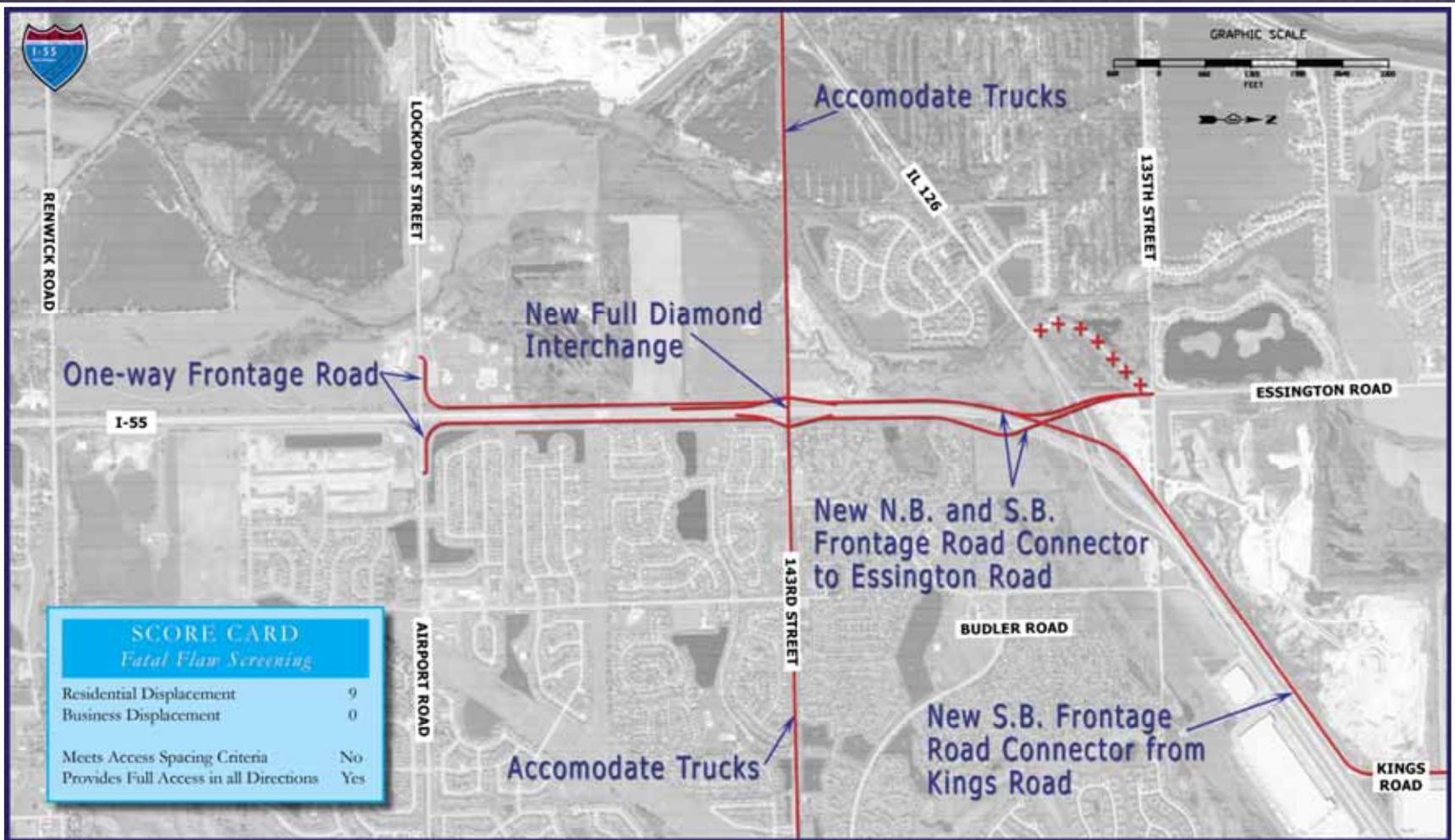


ALTERNATIVE 8 - Diamond Interchange at Airport Road & Full Access at IL 126 Interchange with 143rd Street Connector.



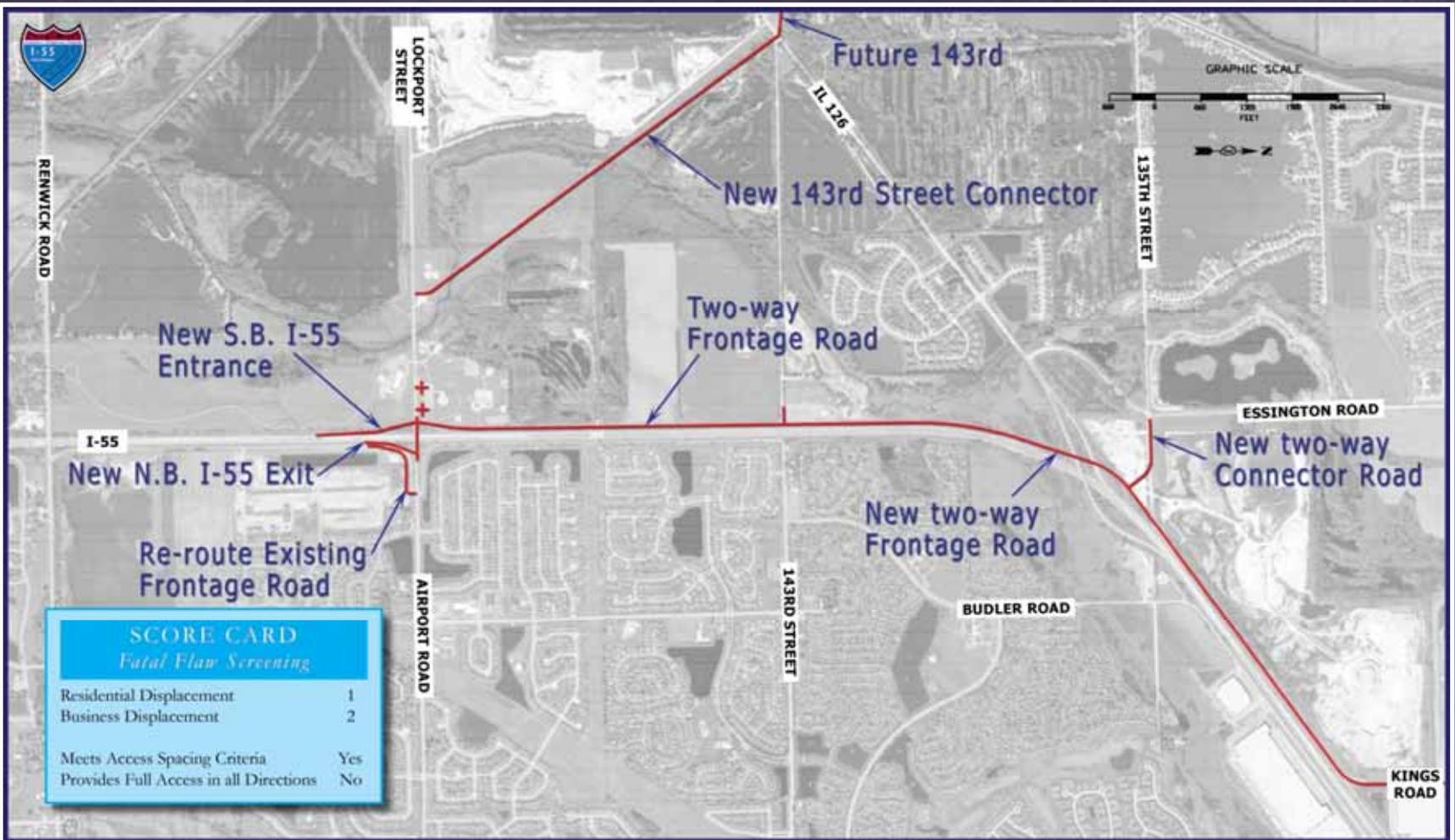
SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	6
Business Displacement	1
Meets Access Spacing Criteria	No
Provides Full Access in all Directions	No

ALTERNATIVE 9 - Slip Ramps at Kings Road to SB I-55, at 143rd Street to SB I-55 & at Airport Road to NB I-55. Provide 143rd Street Overpass at I-55. Assume NB I-55 Exit at Airport Road.

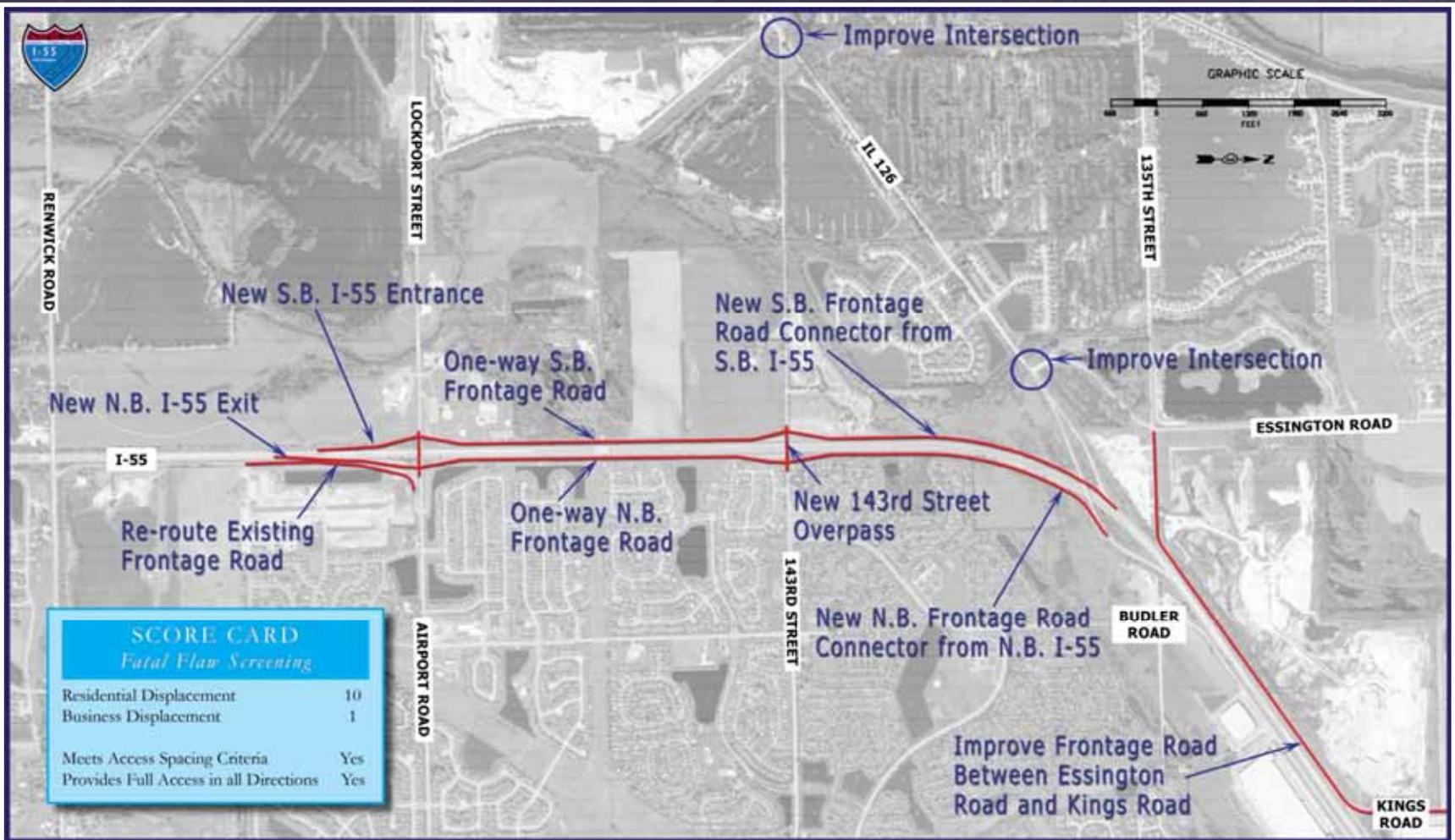


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	9
Business Displacement	0
Meets Access Spacing Criteria	No
Provides Full Access in all Directions	Yes

ALTERNATIVE 10 - Diamond Interchange at 143rd Street with One-way Frontage Roads Between Airport Road & Essington Road. SB Frontage Road from Kings Road to 143rd Street Interchange.

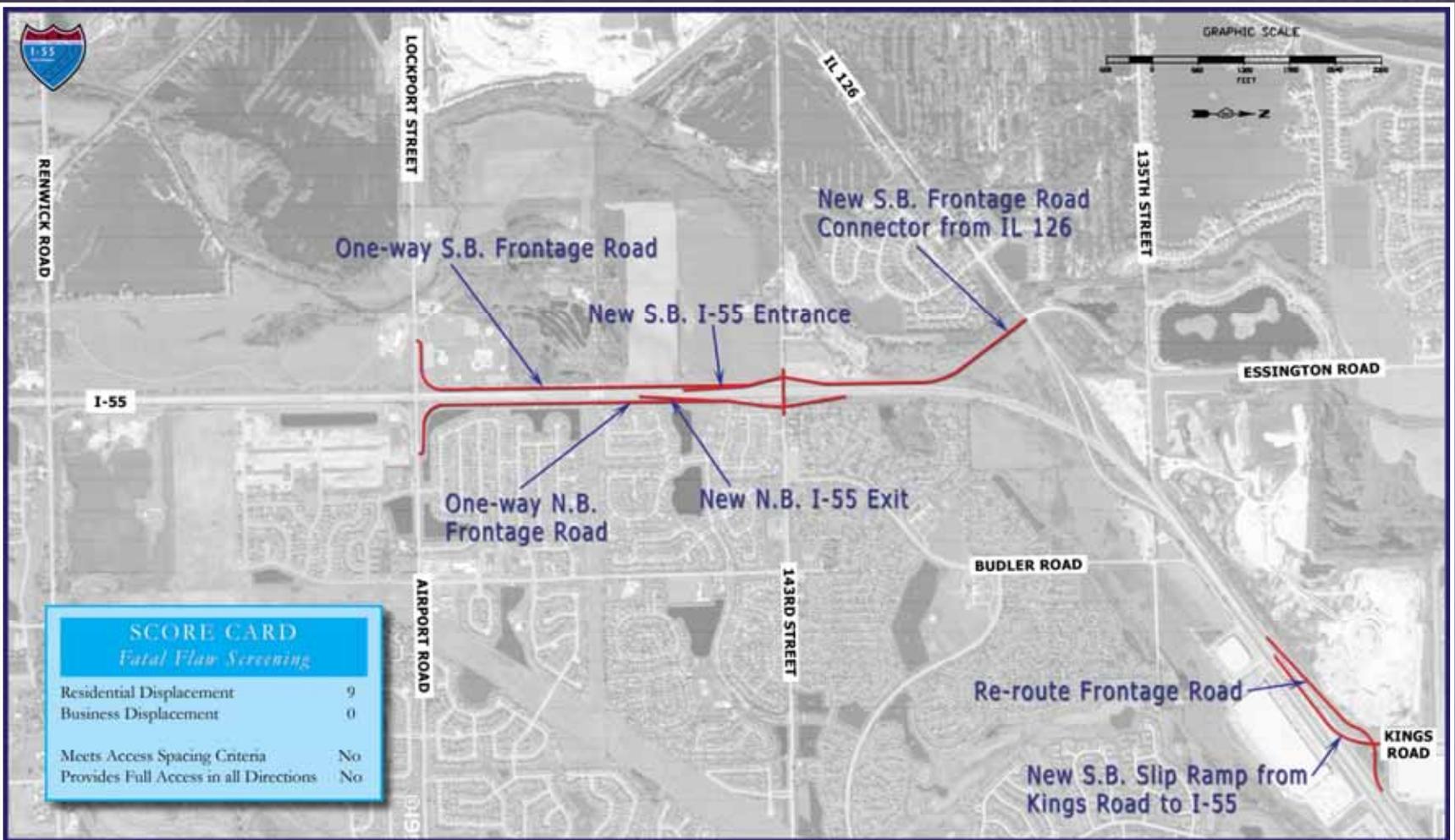


ALTERNATIVE 11 - Half Diamond Interchange at Airport Road with Frontage Roads from Kings Road to Airport Road. Includes 143rd Street Connector. No Change at IL 126.



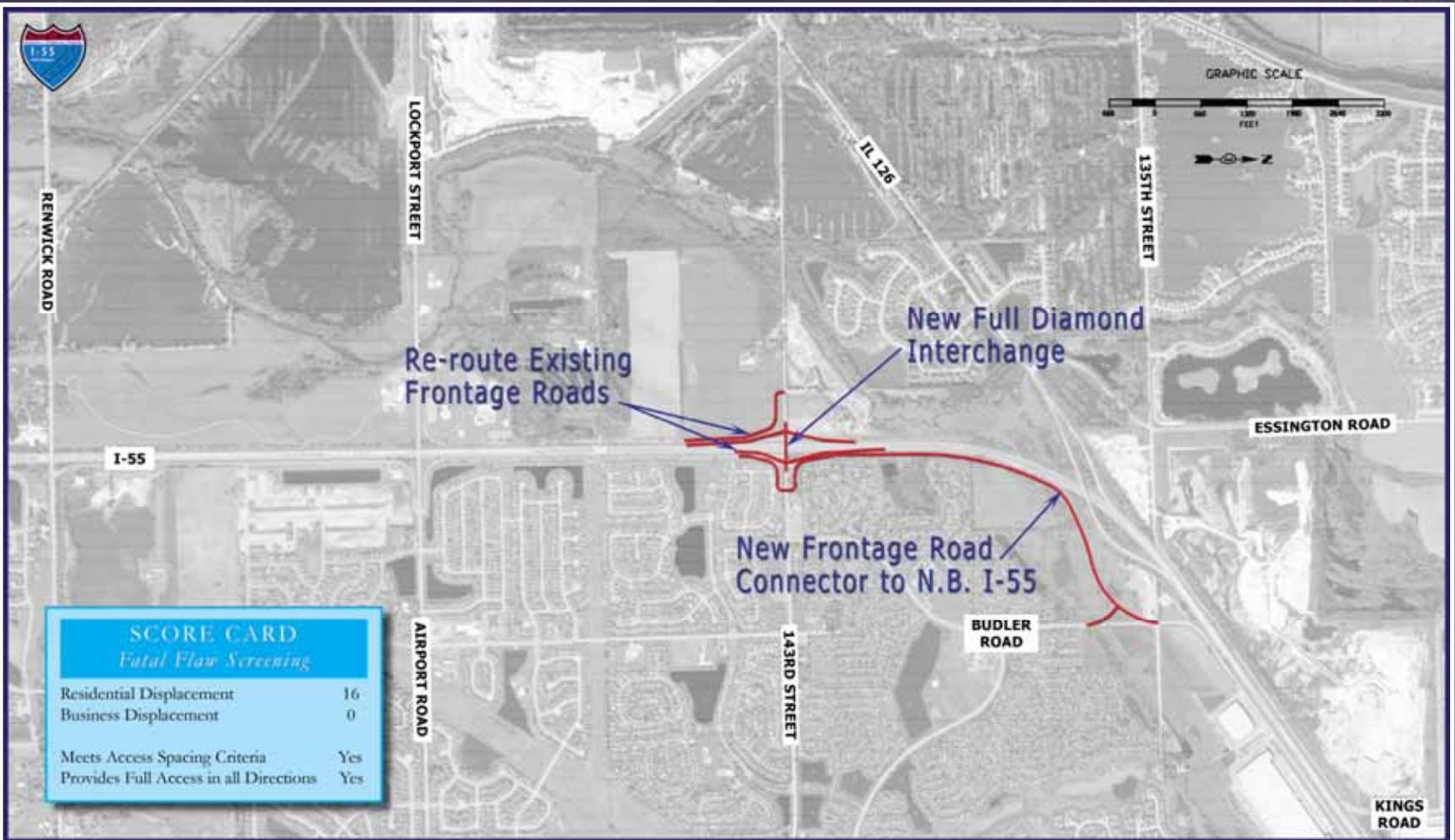
SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	10
Business Displacement	1
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes

ALTERNATIVE 12 - Spread Diamond Interchange at Airport Road & IL 126 with One-way Frontage Roads from Airport Road to IL 126. Provide 143rd Street Overpass at I-55 & Improve Frontage Roads from Kings Road to 135th Street.

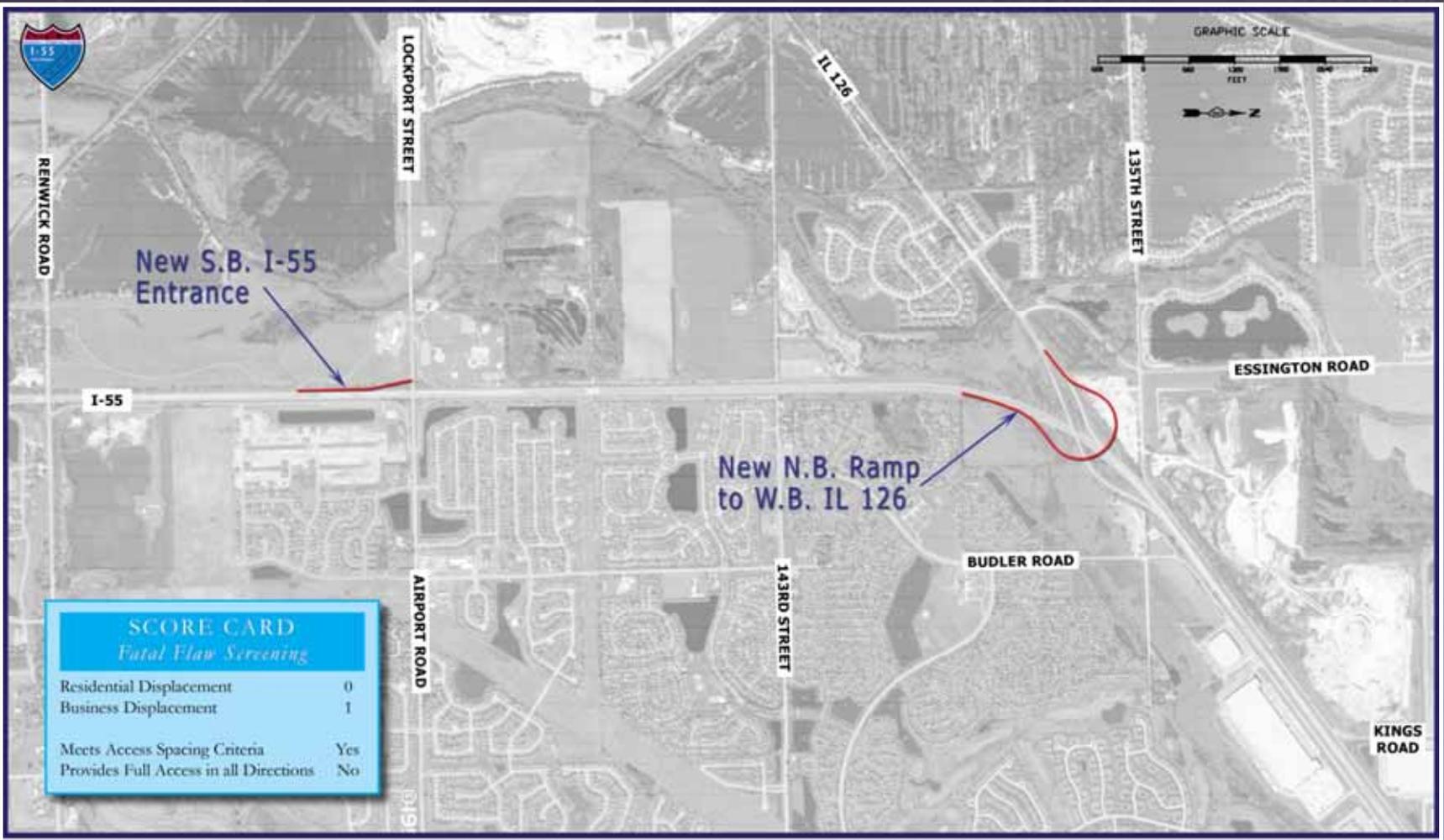


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	9
Business Displacement	0
Meets Access Spacing Criteria	No
Provides Full Access in all Directions	No

*ALTERNATIVE 13 - Spread Diamond Interchange at 143rd Street and IL 126.
Includes Slip Ramp from Kings Road to SB I-55.*



ALTERNATIVE 14 - Diamond Interchange at 143rd Street with Frontage Road Between 143rd Street & Normantown Road.

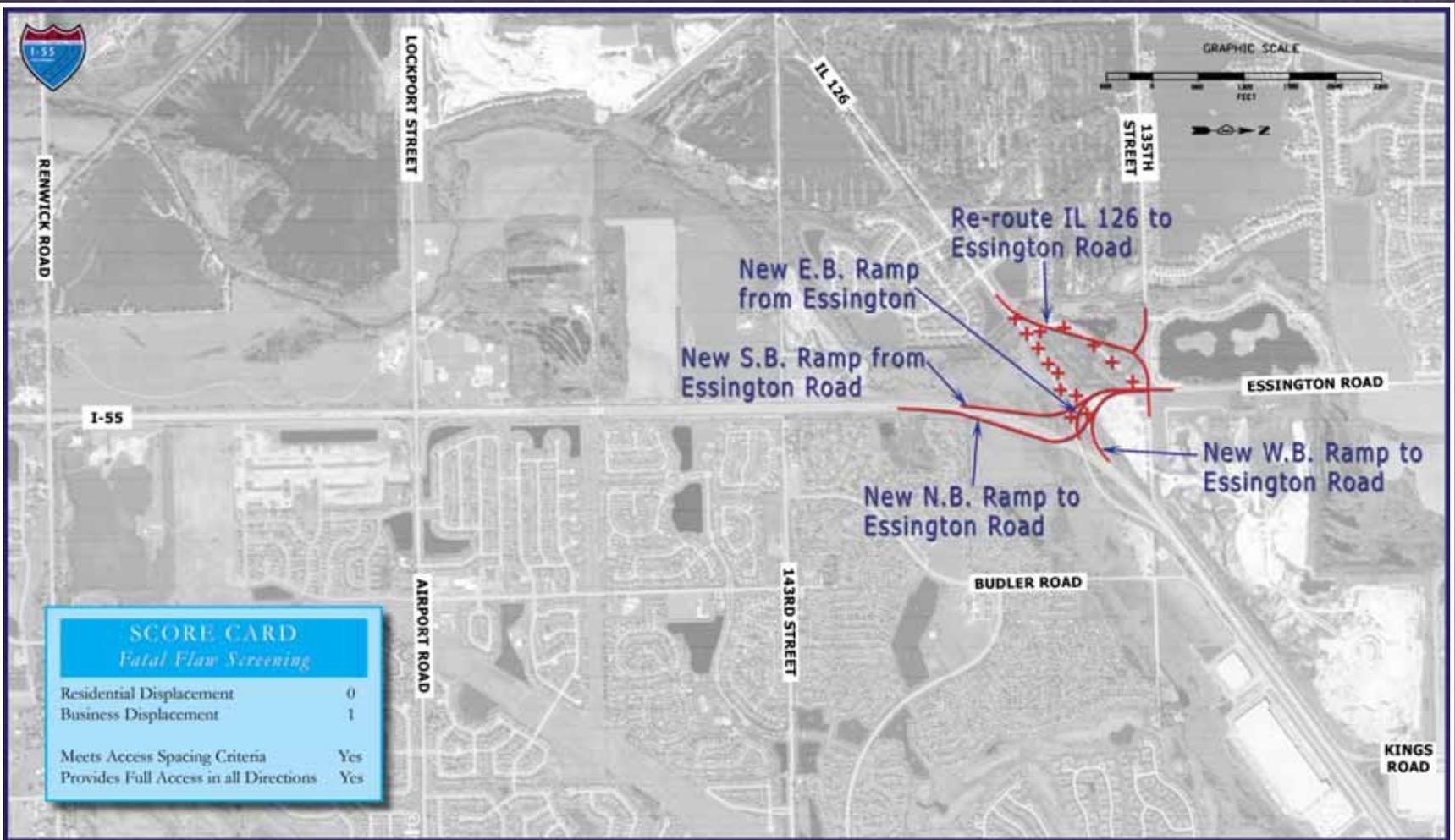


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	0
Business Displacement	1
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	No

ALTERNATIVE 15 - NB I-55 Exit to WB IL 126 & Airport Road Entrance to SB I-55.

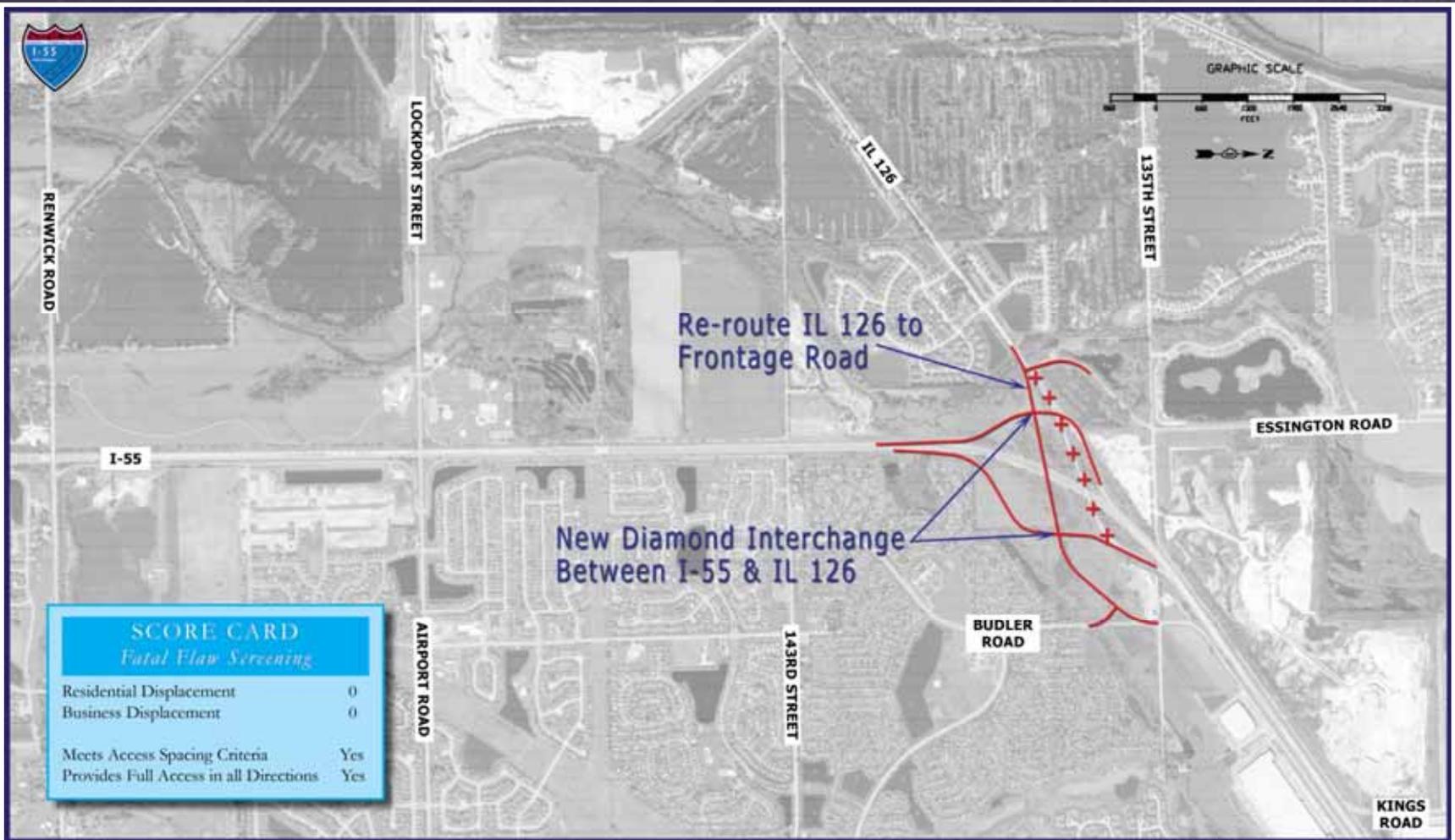


ALTERNATIVE 16 - Full Access Interchange at IL 126.



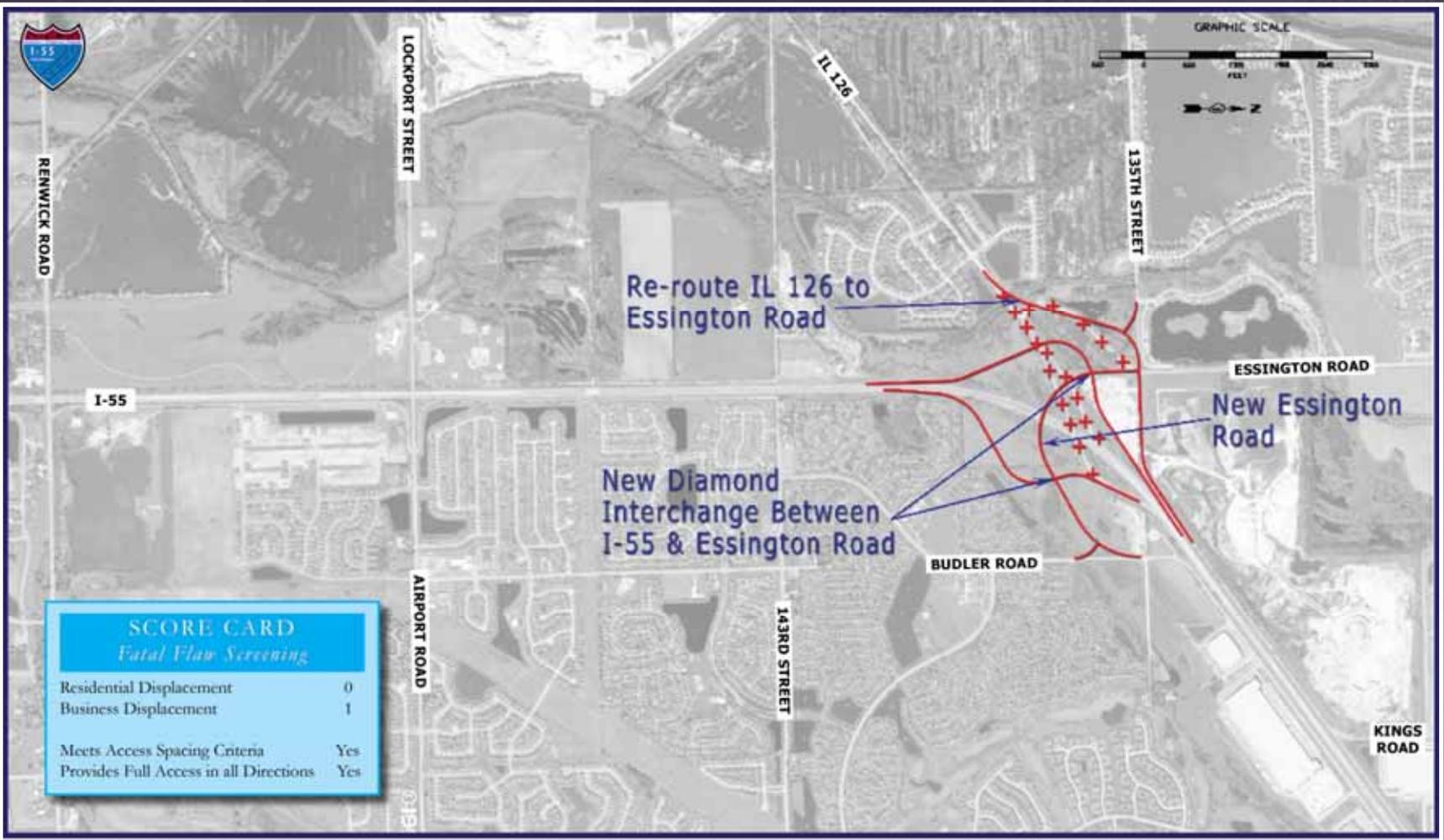
SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	0
Business Displacement	1
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes

ALTERNATIVE 17 - Full Access Interchange at Essington Road.

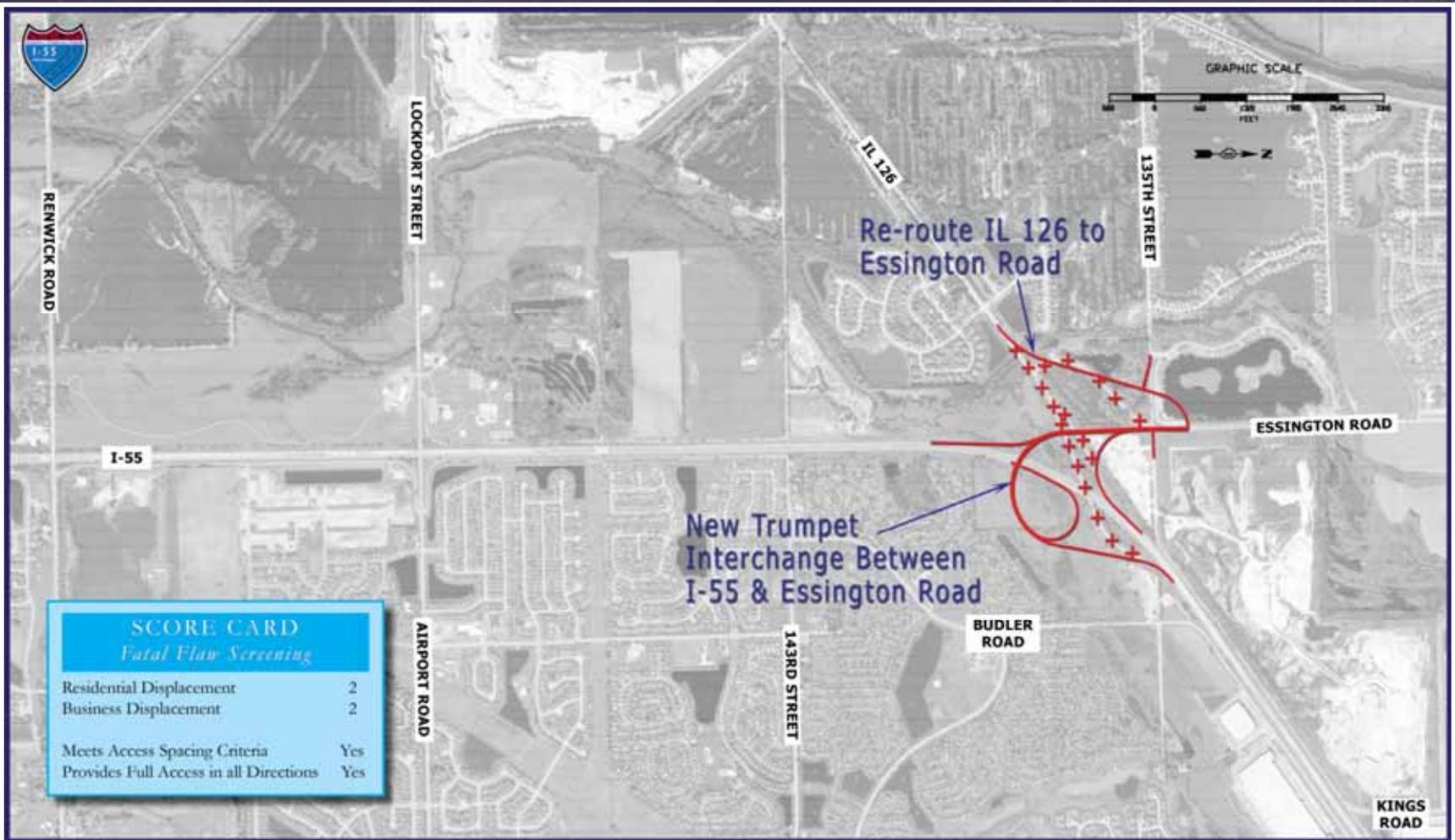


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	0
Business Displacement	0
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes

ALTERNATIVE 18 - Diamond Interchange at IL 126 with Budler Road Connector.

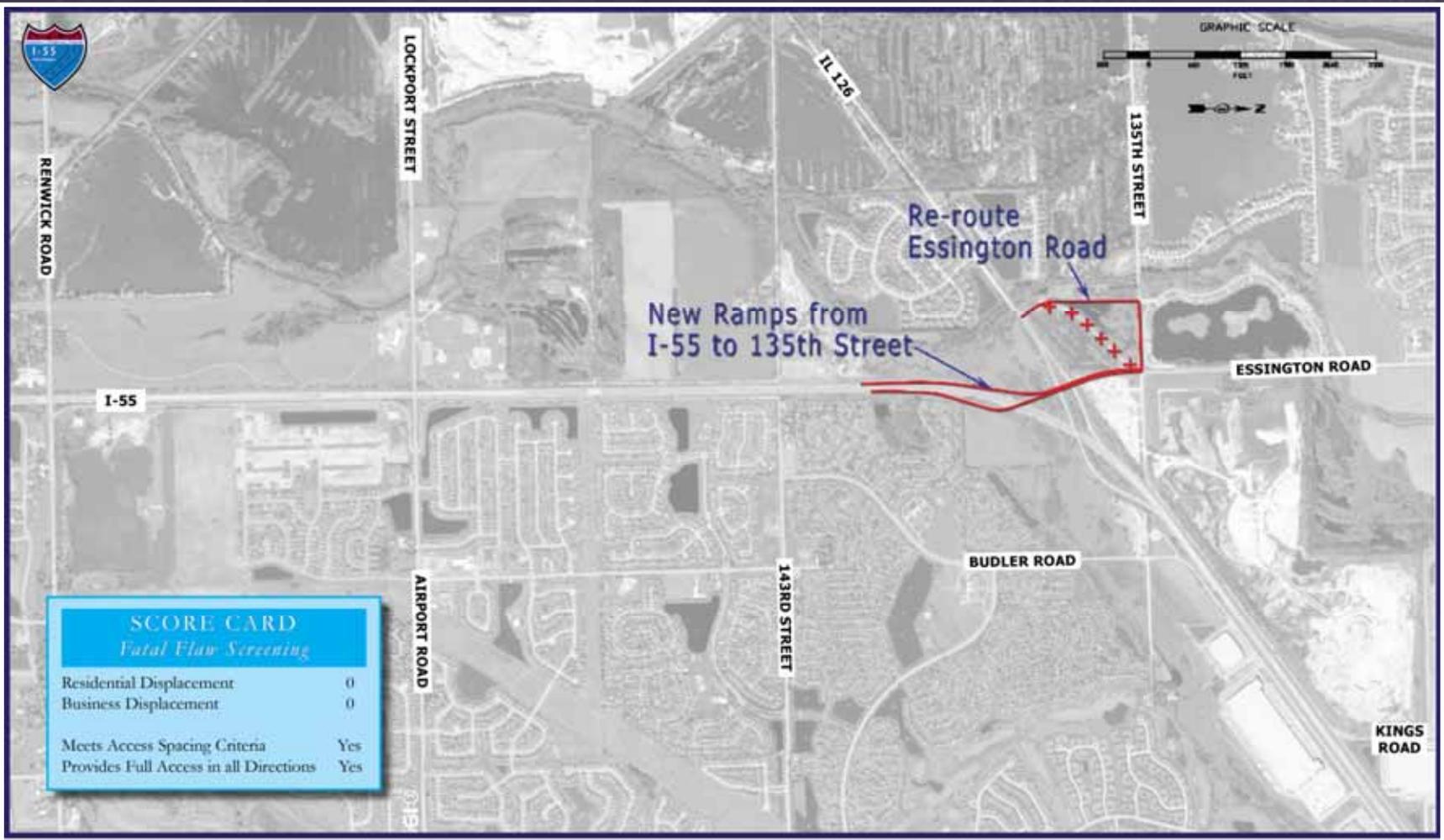


ALTERNATIVE 19 - Diamond Interchange at Essington Road with Budler Road & IL 126 Connectors.

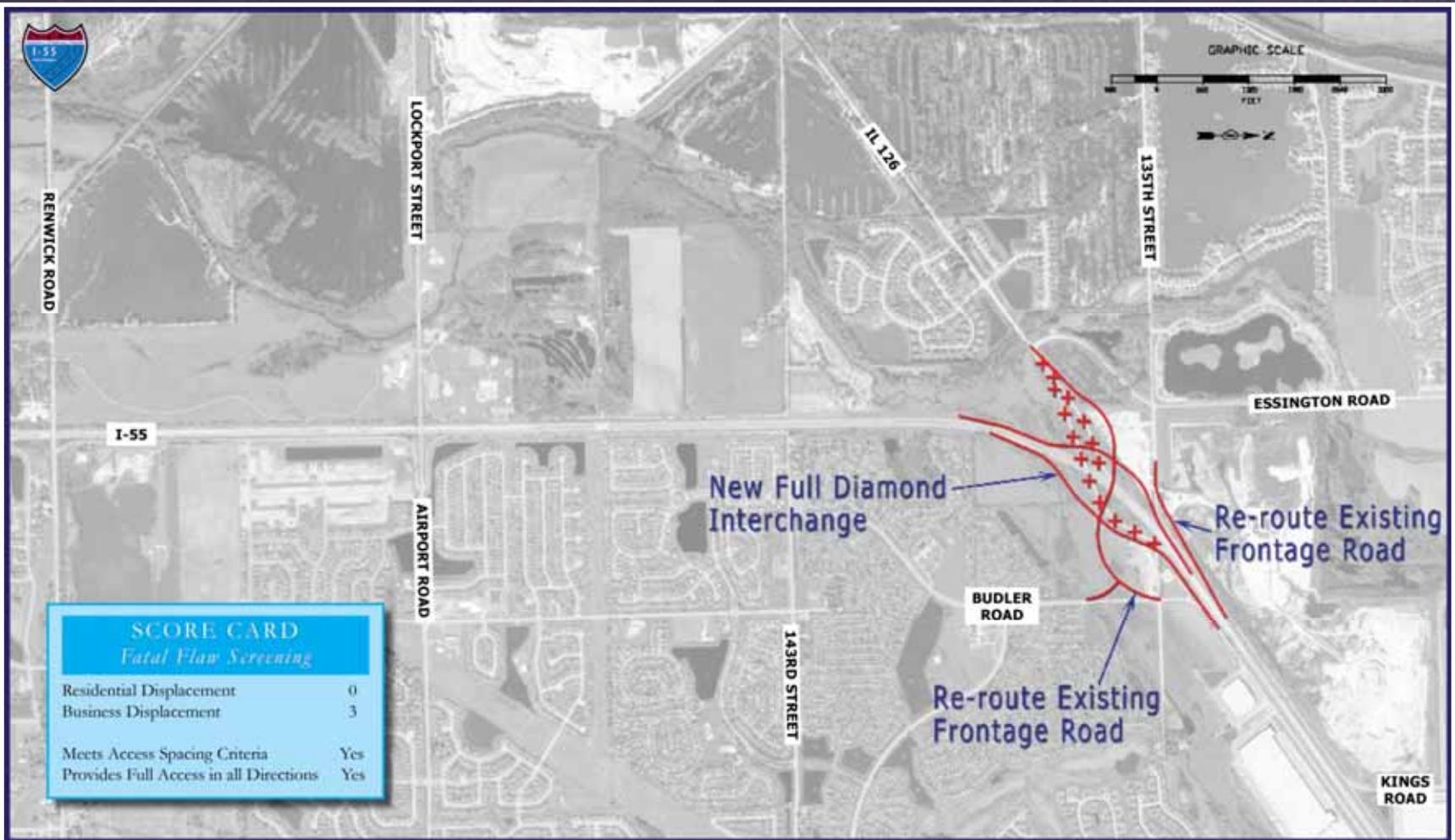


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	2
Business Displacement	2
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes

ALTERNATIVE 20 - Trumpet Interchange at Essington Road with IL 126 Connector.

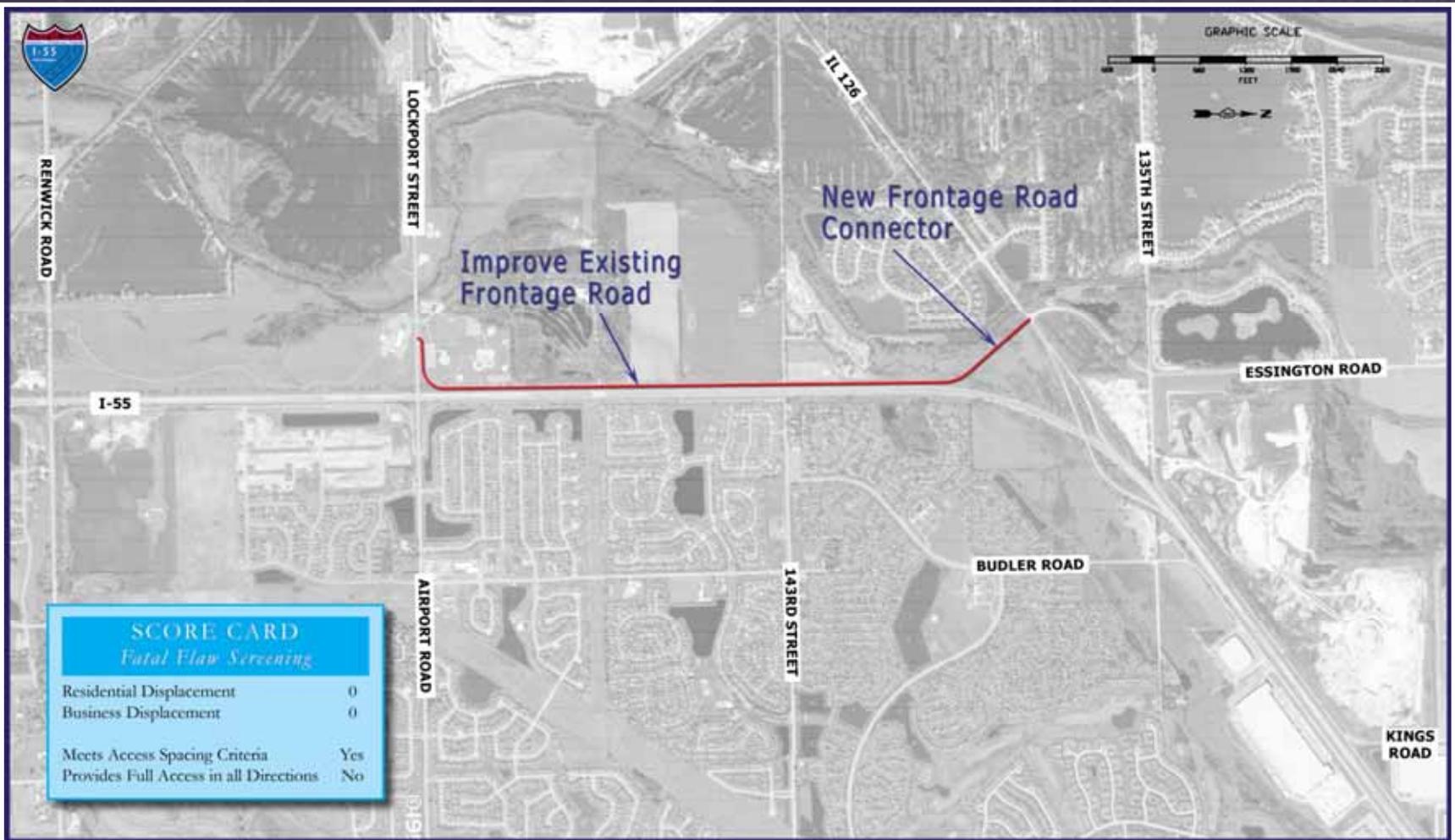


ALTERNATIVE 21 - Full Access Interchange at IL 126 with Essington Road Connector.

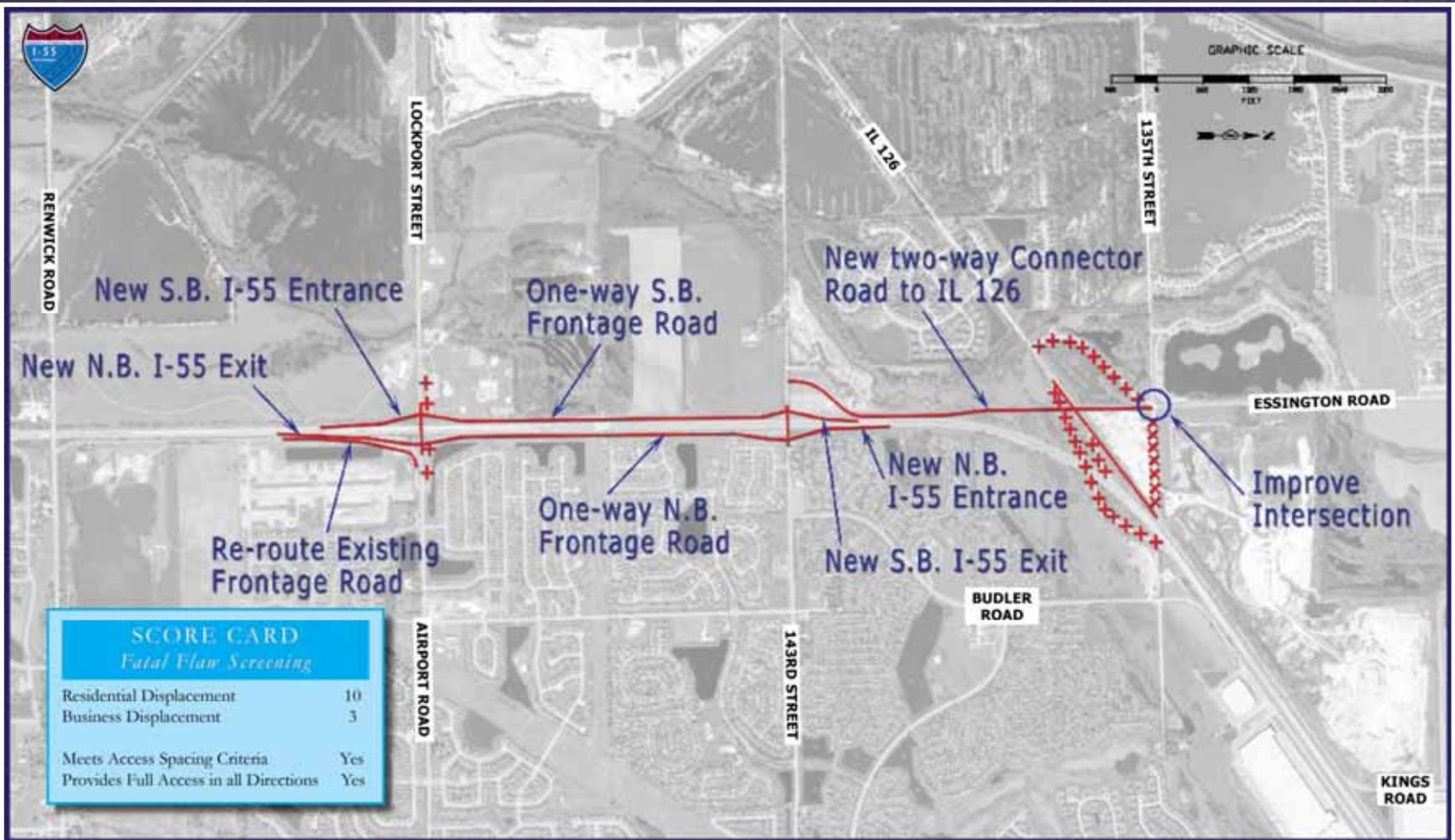


SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	0
Business Displacement	3
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes

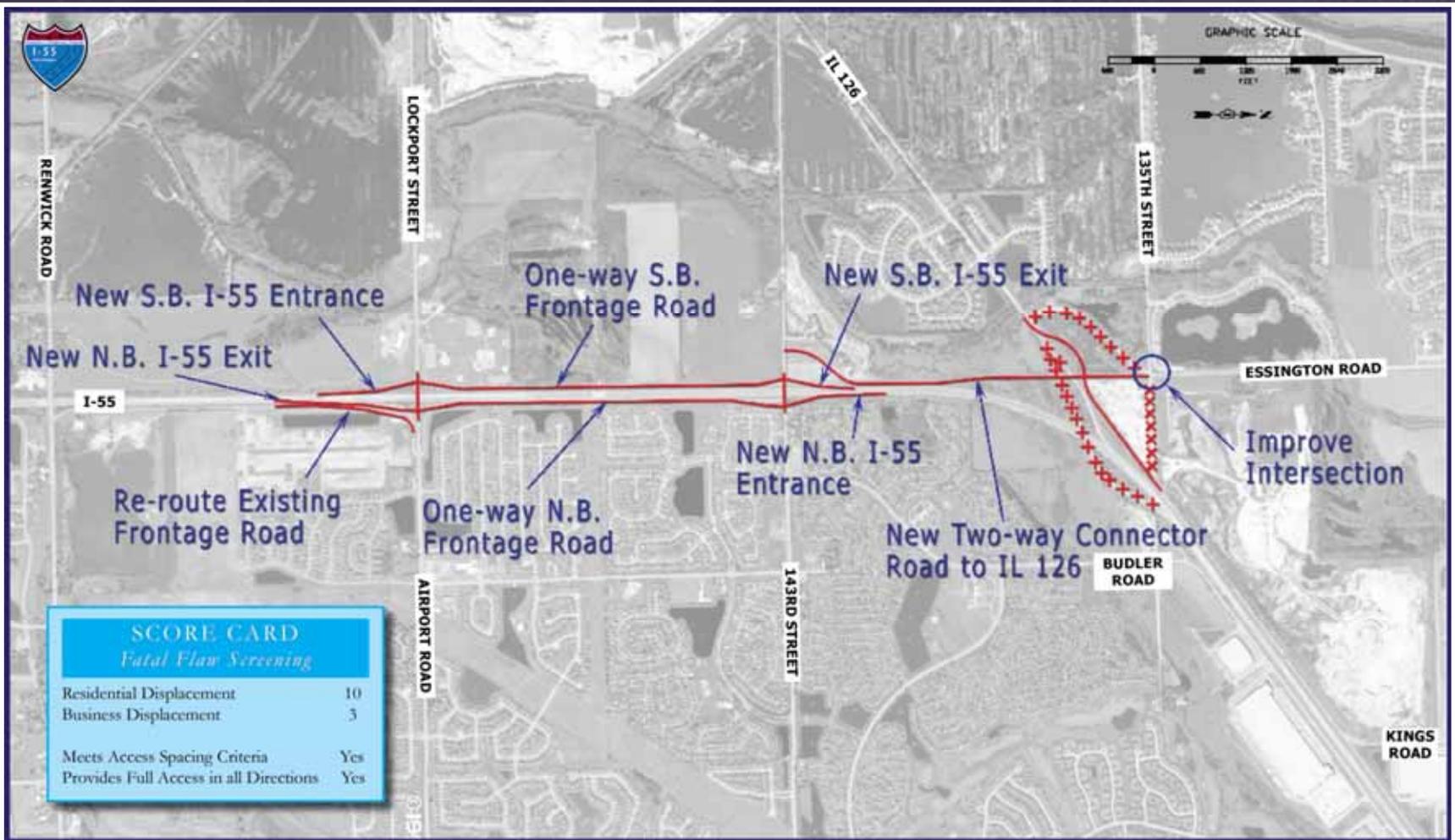
ALTERNATIVE 22 - New Interchange at IL 126.



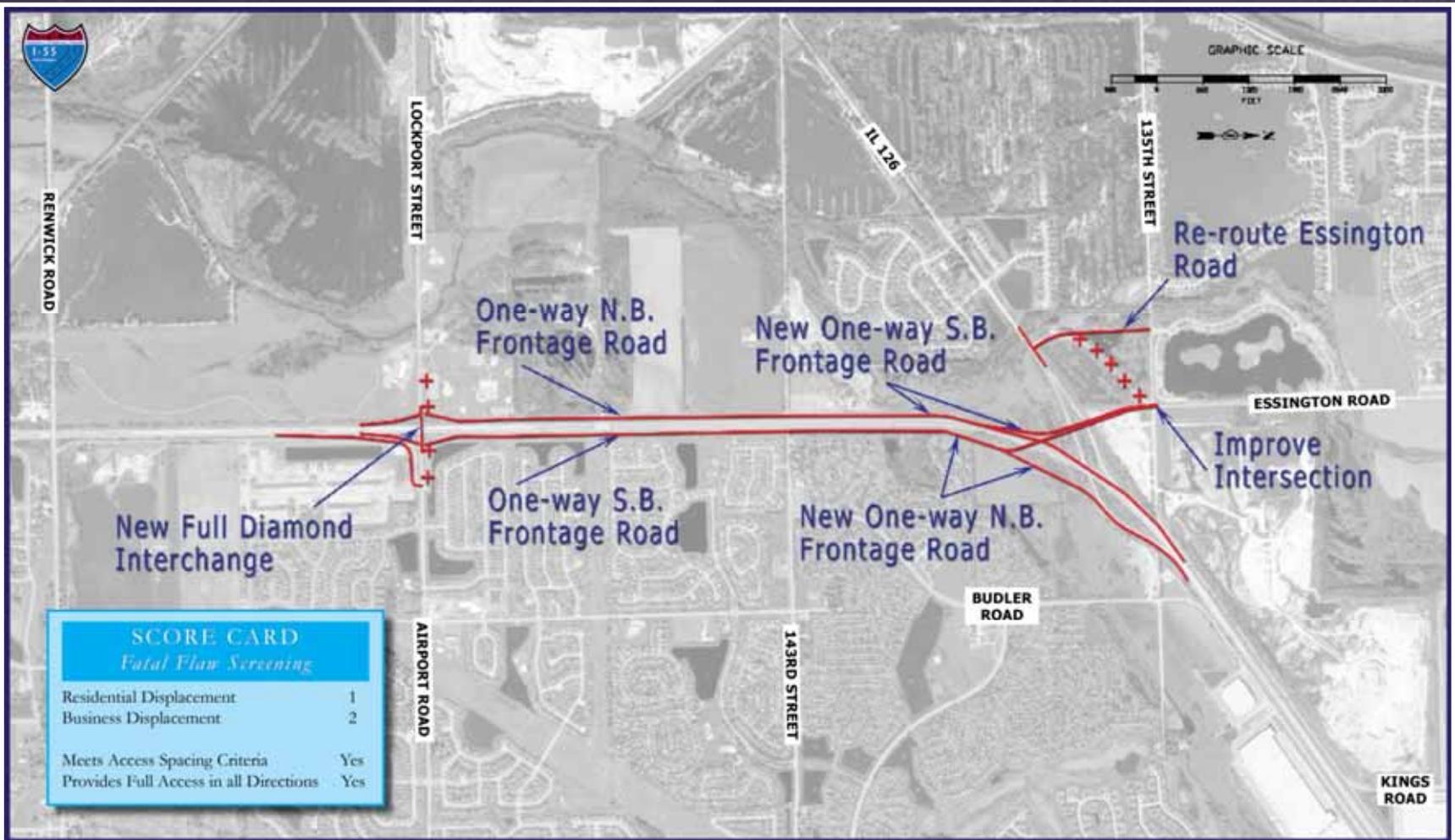
ALTERNATIVE 23 - Frontage Road on West Side of I-55 from Essington Road Intersection with IL 126 to Airport Road.



ALTERNATIVE 24 - Spread Diamond Interchange at Airport Road & 143rd Street with Essington Road IL 126 Connectors.

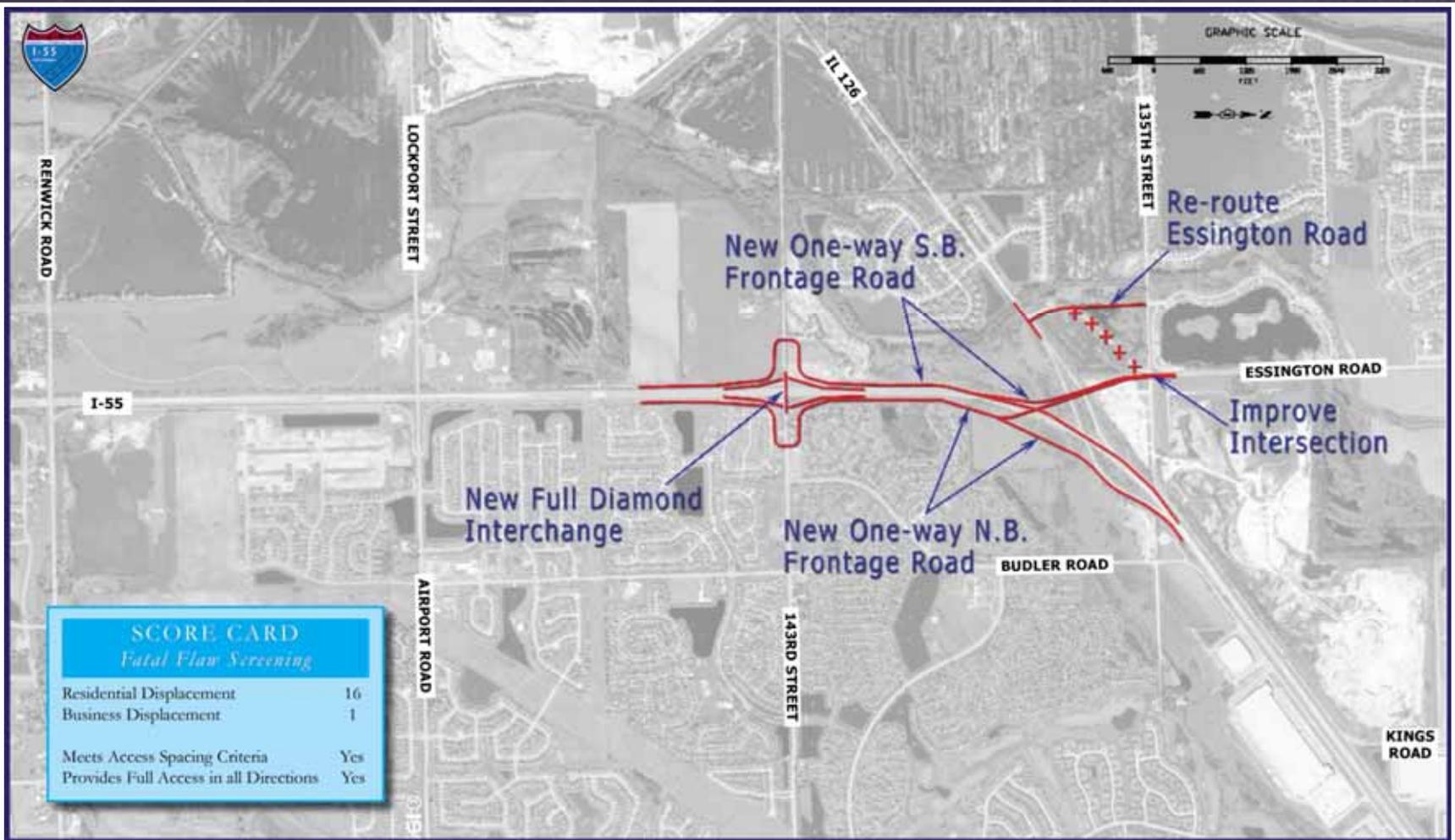


ALTERNATIVE 25 - Spread Diamond Interchange at Airport Road & 143rd Street with Essington Road & IL 126 Connectors.



SCORE CARD	
<i>Fatal Flaw Screening</i>	
Residential Displacement	1
Business Displacement	2
Meets Access Spacing Criteria	Yes
Provides Full Access in all Directions	Yes

ALTERNATIVE 26 - Spread Diamond Interchange at Airport Road & IL 126 with Frontage Road Connection.



ALTERNATIVE 27 - Diamond Interchange at 143rd Street with Frontage Road Connection & IL 126 Connection.



Fatal Flaw Screening Results

ALTERNATES THAT HAVE A FATAL FLAW:
1, 2, 4, 6, 9, 10, 12, 13, 14, 15, 20, 24, 25, 27

ALTERNATES TO BE CARRIED FORWARD:
3, 5, 7, 8, 11, 16, 17, 18, 19, 21, 22, 23, 26



Next Steps

- Public Meeting
- Purpose and Need Screening
- CAG Meeting #5





Thank You





Open Meeting

Open for Public Comment

Comments received by 2/14/2012 will become part of the public meeting record

airportand126study.com

